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Product transfer resale transaction (X12)

The Product Transfer Resale Transaction is used primarily by distributors, wholesalers, and resellers to share detailed information with manufacturers or suppliers about the movement of their products. This includes data on sales, returns that are eligible for rebates, transfers, and sometimes non-physical movements, helping manufacturers gain visibility into how their products are performing across different locations and customer segments.

The Product Transfer Resale Transaction X12 message includes information on transferred products, sales to end customers, and lost demand or unfulfilled orders via a X12 basic type message.



Contact your TraceLink Services representative for more information about integrating with this message.

- **Message Type:** MPC_PRODUCT_TRANSFER_RESALE_REPORT
- **X12 Format:** X12 867
- **Transform Names:**
 - B2B_EDI_X12_867_ProductTransferResaleReport_IB_V2

◦ B2B_EDI_X12_867_ProductTransferResaleReport_OB_V3

Guidelines

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|---|---------|
| ISA | 1...1 | - | Required. ISA interchange envelope. | - |
| ISA01 | 1...1 | 2/2 | Required. Qualifier for authorization control number in ISA02. | 00 |
| ISA02 | 1...1 | 10/10 | Required. Information used for additional identification or authorization of the interchange sender or the data in the interchange/ 10 spaces a valid entry. | - |
| ISA03 | 1...1 | 2/2 | Required. Qualifier for security information in ISA04. | 00 |
| ISA04 | 1...1 | 10/10 | Required. Identifies security information about the interchange sender or data. | - |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|---|---------------|
| ISA05 | 1...1 | 2/2 | <p>Required. Interchange sender partner ID qualifier.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • 01 - Duns (Dun & Bradstreet). • 02 - Standard Carrier Alpha Code. • 03 - Federal Maritime Commission. • 04 - International Air Transport Association. • 07 - Global Location Number (GLN). • 08 - UCC EDI Communications ID (Comm ID). • 09 - X.121 (CCITT). • 10 - Department of Defense (DoD) Activity Address Code. • 11 - Drug Enforcement Administration identifier. • 12 - Telephone Companies. • 13 - Used for UCS Transmissions. Includes Area Code and Telephone Number of a Modem. • 14 - Duns Plus Suffix. • 15 - Petroleum Accountants Society of Canada Company Code. • 16 - DINS Number With 4-Character Suffix. • 17 - American Bankers Association (ABA) Transit Routing Number (Including Check Digit, 9 Digit). • 18 - Association of American Railroads (AAR) Standard Distribution Code. • 19 - EDI Council of Australia (EDICA) Communications ID Number (COMM ID). • 20 - Health Industry Number (HIN). • 21 - Integrated Postsecondary Education Data System. • 22 - Federal Interagency Commission on Education, or FICE. • 23 - National Center for Education Statistics Common Core of Data 12-Digit Number for Pre-K-Grade 12 Institutes. • 24 - The College Board's Admission Testing Program 4-Digit Code of Postsecondary Institutes, or ATP. • 25 - 4-Digit Code of Postsecondary Institutions. • 26 - Statistics of Canada List of Postsecondary Institutions. • 27 - Carrier Identification Number as assigned by Health Care Financing Administration (HCFA). • 28 - Fiscal Intermediary Identification Number as assigned by Health Care Financing Administration (HCFA). • 29 - Medicare Provider and Supplier Identification Number assigned by Health Care Financing Administration (HCFA). • 30 - U.S. Federal Tax Identification Number. • 31 - Jurisdiction Identification Number Plus 4 assigned by the International Association of Industrial Accident Boards and Commissions (IAIABC). • 32 - U.S. Federal Employer Identification Number (FEIN). • 33 - National Association of Insurance Commissioners Company Code (NAIC). • 34 - Medicaid Provider and Supplier Identification Number as assigned by individual State Medicaid Agencies in conjunction with Health Care Financing Administration (HCFA). • 35 - Statistics Canada Canadian College Student Information System Institution Codes • 36 - Statistics Canada University Student Information System Institution Codes. • 37 - Society of Property Information Compilers and Analysts (SPICA). • 38 - The College Board and ACT, Inc. 6-Digit Code List of Secondary Institutions. • AM - Association Mexicana delCodigo de Producto (AMECOP) Communication ID. • NR - National Retail Merchants Association (NRMA) - Assigned. • SA - User Identification Number as assigned by the Safety and the Fitness Electronic Records (SAFER) System. • SN - Standard Address Number. • ZZ - Mutually Defined. | 07 |
| ISA06 | 1...1 | 15/15 | <p>Required. Interchange sender identification mapping to:</p> <ul style="list-style-type: none"> • fileSenderIdNumber with party type defined in ISA05 • linkIdentifier • x12InterchangeControlEnvelope for sender in X12 control file header | 7777776067344 |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|---|-----------------|
| ISA07 | 1...1 | 2/2 | <p>Required. Interchange receiver partner ID qualifier.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • 01 - Duns (Dun & Bradstreet). • 02 - Standard Carrier Alpha Code. • 03 - Federal Maritime Commission. • 04 - International Air Transport Association. • 07 - Global Location Number (GLN). • 08 - UCC EDI Communications ID (Comm ID). • 09 - X.121 (CCITT). • 10 - Department of Defense (DoD) Activity Address Code. • 11 - Drug Enforcement Administration identifier. • 12 - Telephone Companies. • 13 - Used for UCS Transmissions. Includes Area Code and Telephone Number of a Modem. • 14 - Duns Plus Suffix. • 15 - Petroleum Accountants Society of Canada Company Code. • 16 - DINS Number With 4-Character Suffix. • 17 - American Bankers Association (ABA) Transit Routing Number (Including Check Digit, 9 Digit). • 18 - Association of American Railroads (AAR) Standard Distribution Code. • 19 - EDI Council of Australia (EDICA) Communications ID Number (COMM ID). • 20 - Health Industry Number (HIN). • 21 - Integrated Postsecondary Education Data System. • 22 - Federal Interagency Commission on Education, or FICE. • 23 - National Center for Education Statistics Common Core of Data 12-Digit Number for Pre-K-Grade 12 Institutes. • 24 - The College Board's Admission Testing Program 4-Digit Code of Postsecondary Institutes, or ATP. • 25 - 4-Digit Code of Postsecondary Institutions. • 26 - Statistics of Canada List of Postsecondary Institutions. • 27 - Carrier Identification Number as assigned by Health Care Financing Administration (HCFA). • 28 - Fiscal Intermediary Identification Number as assigned by Health Care Financing Administration (HCFA). • 29 - Medicare Provider and Supplier Identification Number assigned by Health Care Financing Administration (HCFA). • 30 - U.S. Federal Tax Identification Number. • 31 - Jurisdiction Identification Number Plus 4 assigned by the International Association of Industrial Accident Boards and Commissions (IAIABC). • 32 - U.S. Federal Employer Identification Number (FEIN). • 33 - National Association of Insurance Commissioners Company Code (NAIC). • 34 - Medicaid Provider and Supplier Identification Number as assigned by individual State Medicaid Agencies in conjunction with Health Care Financing Administration (HCFA). • 35 - Statistics Canada Canadian College Student Information System Institution Codes • 36 - Statistics Canada University Student Information System Institution Codes. • 37 - Society of Property Information Compilers and Analysts (SPICA). • 38 - The College Board and ACT, Inc. 6-Digit Code List of Secondary Institutions. • AM - Association Mexicana delCodigo de Producto (AMECOP) Communication ID. • NR - National Retail Merchants Association (NRMA) - Assigned. • SA - User Identification Number as assigned by the Safety and the Fitness Electronic Records (SAFER) System. • SN - Standard Address Number. • ZZ - Mutually Defined. | 01 |
| ISA08 | 1...1 | 15/15 | <p>Required. EDI receiver ID mapping to file control header and to ServiceLinkId.</p> <p>Interchange receiver identification mapping to ediInterchangePartyValue for receiver in X12 control file header.</p> | 888888404358877 |
| ISA09 | 1...1 | 6/6 | Required. Interchange date in 6 char YYMMDD format. | 231020 |
| ISA10 | 1...1 | 4/4 | Required. Interchange time in 4 char HHMM format. | 1420 |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|---|------------------|
| ISA11 | 1...1 | 1/1 | Required. This value is dependent on X12 version. <ul style="list-style-type: none"> Version 4012 and earlier, this is the interchange control standards identifier. The valid value is U. Version 4020 and later, this is the repetition separator, a delimiter that separates repeated occurrences of a data element or composite data structure, which must be different than the data element separator, component separator, and segment terminator. | ^ |
| ISA12 | 1...1 | 5/5 | Required. Interchange control version number. This could be any X12 version. | 00501 |
| ISA13 | 1...1 | 9/9 | Required. Interchange Control Number mapping to file control header <ul style="list-style-type: none"> X12 control file header interchangeControlIdentifier. | 0000000000619827 |
| ISA14 | 1...1 | 1/1 | Required. Interchange level acknowledgment requested. Valid values: <ul style="list-style-type: none"> 0 - No acknowledgment requested 1 - Interchange level acknowledgment requested | 0 |
| ISA15 | 1...1 | 1/1 | Required. Indicates whether the interchange is for production, test, or information purposes. Valid values: <ul style="list-style-type: none"> I - Information P - Production data T - Test data | P |
| ISA16 | 1...1 | 1/1 | Required. Component element separator. Delimiter that separates data elements within a composite data structure. Must be different than the data element separator and segment terminator. | > |
| GS | 1...* | - | GS group functional envelope. Child of ISA. Only one GS group expected per interchange. | - |
| GS01 | 1...1 | 2/2 | Required. GS group function code. Valid value is PT - Product Transfer Resale Report X12 849 | PT |
| GS02 | 1...1 | 2/15 | Required. Application Sender's Code. | 2222224043588 |
| GS03 | 1...1 | 2/15 | Required. Application Receiver's Code. | TRACELINK |
| GS04 | 1...1 | 8/8 | Required. Current date stamp in 8 char X12 date format YYYYMMDD. | 20241020 |
| GS05 | 1...1 | 4/8 | Required. Current time stamp in 6 char X12 time format HHMMSS. | 142000 |
| GS06 | 1...1 | 1/9 | Required. Group Control ID Number. | 619827 |
| GS07 | 1...1 | 1/2 | Required. Responsible Agency Code. Valid values: <ul style="list-style-type: none"> T - Transportation Data Coordinating Committee (TDCC) X - Accredited Standards Committee X12 | X |
| GS08 | 1...1 | 1/12 | Required. X12 message version code. This could be any X12 version. | 005010 |
| ST | 1...* | - | ST transaction set envelope. Child of GS group. Only one ST transaction expected. | - |
| ST01 | 1...1 | 3/3 | Required. Transaction set identifier code. | 867 |
| ST02 | 1...1 | 4/9 | Required. Transaction set ID number. Counter for each ST segment beginning with 1. | 0001 |
| BPT | 1...1 | - | Required. Response to Product transfer resale report beginning segment. | - |
| BPT01 | 1...1 | 2/2 | Required. Transaction set purpose code. Valid values: <ul style="list-style-type: none"> 00 - Original 05 - Replace | 00 |
| BPT02 | 0...1 | 1/80 | Reference identification number, Transaction unique identifier number. | 234001 |
| BPT03 | 0...1 | 8/8 | Transaction date in YYYYMMDD format. | 20070609 |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|---|----------|
| BPT04 | 0...1 | 2/2 | Report type code, indicating content of the transaction. Valid values: <ul style="list-style-type: none"> • 01 - Product transfer report • 02 - Resale • DC - Report between Distributor/Customer inventory report • DD - Distributor inventory report • DM - Report between Distributor/Manufacturer inventory report • IV - Sellers invoice • MB - Report between Manufacturer/Distributor inventory report • SS - Seller sales report • ZZ - Mutually defined | SS |
| BPT08 | 0...1 | 4/8 | Transaction time in hhmmss format. | 131204 |
| BPT09 | 0...1 | 1/80 | Reference identification of Previous report number. | 234000 |
| CUR | 0...1 | - | Currency code info for Product transfer resale report. | - |
| CUR01 | 1...1 | 2/3 | Required. Entity identifier code for an organization, physical location, property or individual for use of the currency. Valid values: <ul style="list-style-type: none"> • SE - Selling party currency • BY - Buying party currency | SE |
| CUR02 | 1...1 | 3/3 | Required. Standard ISO currency code for the country in which the payments are specified. | USD |
| CUR03 | 0...1 | 4/10 | Exchange rate value to be used as a multiplier conversion factor to convert monetary value from one currency to another. | - |
| DTM | 0...10 | - | Date segment for Transaction report dates or document reference dates, when report start is present it is advised to have report end date as well. | - |
| DTM01 | 1...1 | 3/3 | Required. Date type qualifier for the report dates. Valid values: <ul style="list-style-type: none"> • 090 - Report start date • 091 - Report end date • 004 - Purchase order date • 040 - Status (After and Including) • 041 - Status (Prior and Including) | 090 |
| DTM02 | 0...1 | 8/8 | Processing date in date format YYYYMMDD. | 20240628 |
| DTM03 | 0...1 | 4/8 | Processing time in time format HHMMSS. | 123422 |
| REF | 0...12 | - | Reference segment for mapping to the transaction references. | - |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|--|-----------------|
| REF01 | 1...1 | 2/3 | <p>Required. Reference identification qualifier for the contract class. Valid values:</p> <ul style="list-style-type: none"> • 2I - Tracking Number • LT - Lot number • IT - Internal customer number • IV - Seller Invoice number • 8V - Credit reference number, is a Credit memo number issued on return of original invoice number • CT - Contract number • DI - Distributor invoice number • DH - Drug Enforcement Administration Number • HI - Health Industry Number (HIN) • RY - Rebate reference number • ZZ - Mutually defined number • IX - Item number • PE - Plant number • LI - Line item number • VN - Supplier order number • PO - Purchase order number • DL - Sellers debit memo • CM - Buyer credit memo • OI - Original invoice number • SB - Sales region number | VN |
| REF02 | 0...1 | 1/80 | Reference identifier value. | 123456 |
| REF03 | 0...1 | 1/80 | Description defined by qualifier code in REF02. | sub-340B |
| N1 | 0...1 | - | <p>N1 name segment loop for the</p> <ul style="list-style-type: none"> • customer party information extended with dates and reference identifiers • supplier party • vendor party • bill to party • ship to party information extended with dates and reference identifiers • manufacturer party • reporting location • distributor party | - |
| N101 | 1...1 | 2/3 | <p>Required. Entity qualifier for the Customer party identifier and address information. Valid values:</p> <ul style="list-style-type: none"> • BY - Customer party • SU - Supplier party • VN - Vendor party • BT - Bill to party | BY |
| N102 | 0...1 | 1/60 | Name. | Pharma customer |
| N103 | 0...1 | 1/2 | <p>Identifier code qualifier. Valid values:</p> <ul style="list-style-type: none"> • 01 - DUNS • 09 - DUNS+4 • 11 - Drug Enforcement Agency registration number • 21 - Health Industry Number • 91 - Company identifier • 92 - Company location identifier • UL - Global Location Number | UL |
| N104 | 0...1 | 2/80 | Customer party identifier as qualified by N103 mapping to companyIdentifierValue. | 3333331013655 |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|--|--------------------|
| N3 | 0...1 | - | N3: Address: Child of purchasing group (Customer party) N1 name segment. | - |
| N301 | 1...1 | 1/55 | Required. Street address 1. | 555 Neelan Road |
| N302 | 0...1 | 1/55 | Street address 2. | Suite 123 |
| N4 | 0...1 | - | N4: Geographic Location. Child of Customer party N1 name segment. | - |
| N401 | 0...1 | 2/30 | City name. | Sacramento |
| N402 | 0...1 | 2/2 | State or province code. Code (Standard state/province) as defined by appropriate government agency. | CA |
| N403 | 0...1 | 3/15 | Postal code. Code defining international postal zone code excluding punctuation and blanks. | 95833 |
| N404 | 0...1 | 2/3 | Country code. | US |
| PER | 0...3 | - | Contact Information. | - |
| PER01 | 1...1 | 2/2 | Required. Contact function code identifying major duty or responsibility of person or group named as contact. Valid value is AJ - Primary contact | AJ |
| PER02 | 0...1 | 1/60 | Name of the contact person responsible for authenticating the pedigree information. | John Smith |
| PER03 | 0...1 | 2/2 | Communication Number Qualifier identifying the contact person's telephone number or email address. Valid value: • TE - Telephone number • EM - email address | TE |
| PER04 | 0...1 | 1/2048 | Communication number: • Telephone number of the contact person expected in this field. • Email address of the contact person. | +1.516.747.6849 |
| PER05 | 0...1 | 2/2 | Communication Number Qualifier identifying the contact person's telephone number or email address. Valid value: • TE - Telephone number • EM - email address | EM |
| PER06 | 0...1 | 1/2048 | Communication number: • Email address for the contact person expected in this field. • Telephone number of the contact person. | jsmith@manufac.com |
| PTD Loop | 1...* | - | Product Transfer and Resale loop for specifying transfers and resale details. | - |
| PTD01 | 1...1 | 2/2 | Required. Product transfer type code. Valid values: • BN - Product return • BR - Product exchange • CR - Credit Rebill • CC - Charitable Contribution, transferred products to charitable organization • CS - Product contract based sale • DS - Drop and ship sale, Quantity drop shipped directly to Distributor's customers from Manufacturer • IA - Inventory adjustment (increase or decrease) • IB - Inter branch transfer, All transfers from this location to other Distributor branches • RU - Return to saleable inventory • RV - Return from distributor customer to vendor when disposition (saleable/unsaleable) is unknown • SD - Ship and Debit sale • SM - Sample products • SS - Stock Sale, All sales from this location to Distributor's customers • SU - Total sales from this location, including different type of sales • TD - Transfer for disposal, unsaleable return from a distributor customer | CC |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|---|--------------|
| PTD04 | 0...1 | 2/3 | Reference Identification Qualifier. Valid values: <ul style="list-style-type: none"> • 92 or 2I - Tracking Number • LT - Lot number • IT - Internal customer number • IV - Seller Invoice number • 8V - Credit reference number, is a Credit memo number issued on return of original invoice number • CT - Contract number • DI - Distributor invoice number • DH - Drug Enforcement Administration Number • HI - Health Industry Number (HIN) • Q1 - Quote • RY - Rebate reference number • ZZ - Mutually defined number • IX - Item number • PE - Plant number • LI - Line item number • VC - Supplier contract • VN - Supplier order number • PO - Purchase order number • DL - Sellers debit memo • CM - Buyer credit memo • OI - Original invoice number • SB - Sales region number | CT |
| PTD05 | 0...1 | 1/80 | Reference Identification. | ABCDEFG12345 |
| PTD06 | 0...1 | 2/2 | Product transfer movement type code. Valid values: <ul style="list-style-type: none"> • AI - Adjustment In • A0 - Adjustment Out • CD - Customer to Distributor • DC - Distributor to Customer • DM - Distributor to Manufacturer • MD - Manufacturer to Distributor • TI - Transfer In • TO - Transfer Out | AI |
| DTM | 0...10 | - | Date segment in PTD loop group | - |
| DTM01 | 1...1 | 3/3 | Date type qualifier for the report dates. Valid values: <ul style="list-style-type: none"> • 003 - Invoice date • 040 - Status (After and Including) • 041 - Status (Prior and Including) • 090 - Report start date • 091 - Report end date • 011 - Shipped date • 004 - Purchase order date • 188 - Credit advice date • 514 - Transfer date | 003 |
| DTM02 | 1...1 | 8/8 | Processing date in date format YYYYMMDD | 20240628 |
| DTM03 | 1...1 | 4/8 | Processing time in time format HHMMSS | 123422 |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|--|------------|
| REF | 0...20 | - | REF reference segment loop for: <ul style="list-style-type: none"> contract number reference in PTD loop group capturing reference identifiers in PTD loop group | - |
| REF01 | 1...1 | 2/3 | Required. Reference identification qualifier for the contract number. Valid values: <ul style="list-style-type: none"> 92 or 2I - Tracking Number LT - Lot number IT - Internal customer number IV - Seller Invoice number 8V - Credit reference number, is a Credit memo number issued on return of original invoice number CT - Contract number DI - Distributor invoice number DH - Drug Enforcement Administration Number HI - Health Industry Number (HIN) Q1 - Quote RY - Rebate reference number ZZ - Mutually defined number IX - Item number PE - Plant number LI - Line item number VC - Supplier contract VN - Supplier order number P0 - Purchase order number DL - Sellers debit memo CM - Buyer credit memo OI - Original invoice number SB - Sales region number | CT |
| REF02 | 0...1 | 1/80 | Reference identifier value. | 4500018486 |
| REF03 | 0...1 | 1/80 | A free-form description to clarify the related data elements and their content. Description defined by qualifier code in transactionReferenceIdentifier (REF02). | Acute Care |
| DTM | 0...10 | - | DTM date segment for contract reference dates in CON loop. | - |
| DTM01 | 1...1 | 3/3 | Required. Date type qualifier for the contract reference dates in CON loop. | 092 |
| DTM02 | 0...1 | 8/8 | Processing date in date format YYYYMMDD. | 20240628 |
| DTM03 | 0...1 | 4/8 | Processing time in time format HHMMSS. | 123422 |
| N1 | 0...1 | - | N1 name segment loop for: <ul style="list-style-type: none"> Bill to party information extended with dates and reference identifiers ship to party information extended with dates and reference identifiers Mostly this is the only party appears in line item level. bill and ship to party information extended with dates and reference identifiers. manufacturer party distributor party information extended with dates and reference identifiers. distributor branch location. | - |

| Input Element | Occurs | Length | Description | Example |
|------------------------|--------|--------|---|-----------------|
| N101 | 1...1 | 2/3 | Required. Entity qualifier for the Bill to party identifier and address information. Valid values: <ul style="list-style-type: none"> • BT - Bill to party • ST - Ship to party • BS - Bill and ship to party • MF - Manufacturer party • DS - Distributor party • DB - Distributor branch | BT |
| N102 | 0...1 | 1/60 | Name. | Pharma customer |
| N103 | 0...1 | 1/2 | Identifier code qualifier. Valid values: <ul style="list-style-type: none"> • 01 - DUNS • 09 - DUNS+4 • 11 - Drug Enforcement Agency registration number • 21 - Health Industry Number • 91 - Company identifier • 92 - Company location identifier • UL - Global Location Number | UL |
| N104 | 0...1 | 2/80 | Bill to party identifier as qualified by N103 mapping to companyIdentifierValue. | 3333331013655 |
| N3 | 0...1 | - | N3: Address: Child of bill to party N1 name segment. | - |
| N301 | 1...1 | 1/55 | Required. Street address 1. | 555 Neelan Road |
| N302 | 0...1 | 1/55 | Street address 2. | Suite 123 |
| N4 | 0...1 | - | N4: Geographic Location. Child of bill to party N1 name segment. | - |
| N401 | 0...1 | 2/30 | City name. | Sacramento |
| N402 | 0...1 | 2/2 | State or province code. Code (Standard state/province) as defined by appropriate government agency. | CA |
| N403 | 0...1 | 3/15 | Postal code. Code defining international postal zone code excluding punctuation and blanks. | 95833 |
| N404 | 0...1 | 2/3 | Country code. | US |
| REF (PTD-N1-N3-N4-REF) | 0...12 | - | REF reference segment for mapping for reference identifiers. | - |

| Input Element | Occurs | Length | Description | Example |
|----------------------------|--------|--------|---|------------|
| REF01 | 1...1 | 2/3 | <p>Required. Reference information for identifiers that are not related to transaction documents. This group would map to X12 segments REF and N9 and EDIFACT RFF for information other than transaction documents. HDA mapping.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • 92 or 2I - Tracking Number • LT - Lot number • IT - Internal customer number • IV - Seller Invoice number • 8V - Credit reference number, is a Credit memo number issued on return of original invoice number • CT - Contract number • DI - Distributor invoice number • DH - Drug Enforcement Administration Number • HI - Health Industry Number (HIN) • Q1 - Quote • RY - Rebate reference number • ZZ - Mutually defined number • IX - Item number • PE - Plant number • LI - Line item number • VC - Supplier contract • VN - Supplier order number • P0 - Purchase order number • DL - Sellers debit memo • CM - Buyer credit memo • OI - Original invoice number • OQ - Order number • SB - Sales region number | DH |
| REF02 | 0...1 | 1/80 | Transaction reference identifier value as defined by enum in transactionReferenceType. | AC |
| REF03 | 0...1 | 1/80 | A free-form description to clarify the related data elements and their content. | Acute Care |
| SII (PTD-N1-N3-N4-REF-SII) | 0...* | - | Sales Item Information | - |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|---|---------|
| SII01 | 1...1 | 2/2 | Required. Product/Service Qualifier Valid values <ul style="list-style-type: none"> • BP - Customer's material number • CB - Buyer Catalog • EN - EAN 2-5-5-1 • FV - Canada product number • IN - Customer's(Buyer's) product item number • MF - Manufacturer's product number • MG - Manufacturer's part number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • N5 - US National Health Related Item Code with hypen separator with 5 and characters • N6 - US National Health Related Item Code with hypen separators with 6 and 4 characters • ND - US-National-Drug-Code • NH - US National Health Related Item Code • PI - Customer's material number • SK - Stock keeping unit • UA - UPC Case Code (2-5-5) • UJ - PackageUPC • UI - UPC Consumer Package Code (1-5-5) • UK - GTIN14 identifier • UP - EAN/UPC Universal Item Number/GTIN12 • UX - Universal product number • VC - Vendor (Supplier) material number • VN - Supplier material number. | BS |
| SII02 | 1...1 | 1/80 | Required. Product/Service Identifier. | BS |
| SII03 | 1...1 | 1/15 | Required. Quantity of product. | 25.00 |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|--|---------|
| | | | <p>Required. Unit of measure used for pricing.</p> <p>Valid values</p> <ul style="list-style-type: none"> • 02 - Statute Mile • 4G - Microliter • AM - Ampoule • AV - Capsule • BD - Bundle • BG - Bag • B0 - Bottle • BX - Box • C3 - Centiliter • CA - Case • CC - Cubic Centimeter • CF - Cubic Feet • CG - Card Blister • CH - Container • CI - Cubic Inches • CL - Cylinder • CM - Centimeter • CN - Can • CP - Crate • CQ - Cartridge • CR - Cubic Meters • CT - Carton • DA - Day • DI - Dispenser • DK - Kilometers • DL - Deciliter • DM - Decimeter • DQ - Cubic decimeters • DR - Drum • DS - Display • DZ - Dozen • EA - Each • FO - US Fluid Ounce • FT - Foot • GA - US Gallon • GL - Gram/Liter • GR - Gram • GS - Gross • H4 - Hectoliter • HF - Hundred Feet • HR - Hours • IN - Inch • K6 - Kiloliters • KG - Kilogram • KT - Kit • LB - US Pound • LF - Linear Foot • LO - Lot (unit of procurement) • LT - Liter • LY - Linear Yard • MC - Microgram • ME - Milligram • ML - Milliliter • MM - Millimeter • M0 - Months • MR - Meter • OZ - Ounce • P1 - Percent • PC - Piece • PF - Pallet • PH - Pack • PK - Package • PR - Pair • PT - Pint • QT - Quart • RL - Roll • SC - Square Centimeter • SF - Square Foot • SH - Sheet • SI - Square Inch • SM - Square Meter • SP - Self Package • ST - Set • SY - Square Yard • SZ - Syringe • T3 - Thousand Pieces • TB - Tube • TH - Thousands • TN - Tonne • TS - Thousands • TY - Tray • U2 - Tablet • UM - Million • UN - Unit • US - Dosage Form • V2 - Pouch • VI - Vial • WK - Week • YD - Yard • YR - Years | UN |
| SII04.1 | 1...1 | 2/2 | | |

| Input Element | Occurs | Length | Description | Example |
|-----------------------------|--------|--------|---|---------------------------|
| SII05 | 0...1 | 1/17 | Unit price | 12.10 |
| SII06 | 0...1 | 1/17 | Unit price | 12.10 |
| SII07 | 0...1 | 1/18 | Monetary amount. | 12.10 |
| N9(PTD-N1-N3-N4-REF-SII-N9) | 0...* | - | Extended Reference Information. | N9*DI*16288447**20250501" |
| N901 | 1...1 | 2/3 | Required. Reference Identification Qualifier Valid values: <ul style="list-style-type: none"> • 92 or 2I - Tracking Number • LT - Lot number • IT - Internal customer number • IV - Seller Invoice number • 8V - Credit reference number, is a Credit memo number issued on return of original invoice number • CT - Contract number • DI - Distributor invoice number • DH - Drug Enforcement Administration Number • HI - Health Industry Number (HIN) • Q1 - Quote • RY - Rebate reference number • ZZ - Mutually defined number • IX - Item number • PE - Plant number • LI - Line item number • VC - Supplier contract • VN - Supplier order number • PO - Purchase order number • DL - Sellers debit memo • CM - Buyer credit memo • OI - Original invoice number • OQ - Order number • SB - Sales region number | DI |
| N902 | 0...1 | 1/80 | Reference Identification | 16288447 |
| N903 | 1...1 | 1/15 | Required. Free form description | |
| N904 | 0...1 | 8/8 | Date in date format YYYYMMDD | 20240628 |
| N905 | 0...1 | 4/8 | Time in time format HHMM or HHMMSSss | - |
| N906 | 0...1 | 2/2 | Time Code | - |
| N907.1 | 1...1 | 2/3 | Required. Reference Identification Qualifier Valid values <ul style="list-style-type: none"> • CT - Contract number • LT - Lot number • ZZ - Mutually defined number | CT |
| PER | 0...3 | - | Contact information for Distributor branch location. | - |
| PER01 | 1...1 | 2/2 | Required. Contact function code identifying major duty or responsibility of person or group named as contact. Valid value for Distributor branch is AJ - Primary contact. | AJ |
| PER02 | 0...1 | 1/60 | Name of the contact person responsible for authenticating the pedigree information. | John Smith |
| PER03 | 0...1 | 2/2 | Communication Number Qualifier identifying the contact person's telephone number or email address. Valid values: <ul style="list-style-type: none"> • TE - Telephone number • EM - email address | TE |
| PER04 | 0...1 | 1/2048 | Communication number: Telephone number of the contact person expected in this field. | +1.516.747.6849 |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|--|--------------------|
| PER05 | 0...1 | 2/2 | Communication Number Qualifier identifying the contact person's telephone number or email address. Valid values: • TE - Telephone number • EM - email address | EM |
| PER06 | 0...1 | 1/2048 | Communication number: • Email address for the contact person expected in this field. • Telephone number of the contact person. | jsmith@manufac.com |
| QTY | 0...* | - | Product transfer resale report transaction is driven by quantity, hence product, unit, price, reference details are inside this loop. | - |
| QTY01 | 1...1 | 2/2 | Required. Quantity type for return. Valid values: • 32 - Sold • 76 - Returned • V3 - Transfer • 39 - Shipped • 41 - Batches • AJ - Daily adjusted quantity | 32 |
| QTY02 | 0...1 | 1/15 | Quantity of product. | 25.00 |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|---|---------|
| QTY03.1 | 1...1 | 2/2 | <p>Required. Unit of measure used for pricing.</p> <p>.Valid values</p> <ul style="list-style-type: none"> • 02 - Statute Mile • 4G - Microliter • AM - Ampoule • AV - Capsule • BD - Bundle • BG - Bag • B0 - Bottle • BX - Box • C3 - Centiliter • CA - Case • CC - Cubic Centimeter • CF - Cubic Feet • CG - Card, Blister • CI - Cubic Inches • CL - Cylinder • CM - Centimeter • CN - Can • CP - Crate • CQ - Cartridge • CR - Cubic Meters • CT - Carton • DA - Day • DI - Dispenser • DK - Kilometers • DL - Deciliter • DM - Decimeter • DR - Drum • DS - Display • DZ - Dozen • EA - Each • F0 - Fluid Ounce • FT - Foot • GA - Gallon • GL - Gram/liter • GR - Gram • GS - Gross • H4 - Hectoliter • HF - Hundred Feet • HR - Hours • IN - Inch • K6 - Kiloliters • KG - Kilogram • KT - Kit • LB - Pounds • LF - Linear Foot • L0 - Lot (unit of procurement) • LT - Liter • LY - Linear Yard • MC - Microgram • ME - Milligram • ML - Milliliter • MM - Millimeter • M0 - Months • MR - Meter • OZ - Ounces • PC - Piece • PF - Pallet • PK - Package • PR - Pair • PT - Pint • QT - Quart • RL - Roll • SC - Square Centimeter • SF - Square Foot • SH - Sheet • SI - Square Inch • SM - Square Meter • ST - Set • SY - Square Yard • T3 - Thousand Pieces • TB - Tube • TH - Thousand • TY - Tray • U2 - Tablet • UM - Million • UN - Unit • V2 - Pouch • VI - Vial • WK - Week • YD - Yard • YR - Years | UN |
| PO3 | 0...25 | - | Additional item details segment in PTD-QTY. | - |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|--|----------|
| PO301 | 1...1 | 2/2 | Required. Change reason code, kind of change that is being communicated. Valid values: <ul style="list-style-type: none"> • DC - Changed date • EV - Estimated quantity • QH - Quantity on hand • QO - Quantity Ordered • UP - Unit price changes • ZZ - Custom value | QO |
| PO302 | 0...1 | 8/8 | Provision to provide a date change. | 20220828 |
| PO303 | 0...1 | 3/3 | Price identifier code. | - |
| PO304 | 0...1 | 1/17 | Unite price. | 10.11 |
| PO305 | 0...1 | 2/2 | Basis of unit price code. Valid values: <ul style="list-style-type: none"> • CT - Price according to the contract • WH - Wholesale price • DI - Distributor price • NT - Net price • RS - Resale price • CA - Catalog price • DR - Dealer price • DS - Discount price | DR |
| PO306 | 1...1 | 1/15 | Required. Product quantity related to the change reason code. | 100 |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|---|---------|
| PO307 | 1...1 | 2/2 | <p>Required. Unit of measure used for pricing.</p> <p>.Valid values</p> <ul style="list-style-type: none"> • 02 - Statute Mile • 4G - Microliter • AM - Ampoule • AV - Capsule • BD - Bundle • BG - Bag • B0 - Bottle • BX - Box • C3 - Centiliter • CA - Case • CC - Cubic Centimeter • CF - Cubic Feet • CG - Card, Blister • CI - Cubic Inches • CL - Cylinder • CM - Centimeter • CN - Can • CP - Crate • CQ - Cartridge • CR - Cubic Meters • CT - Carton • DA - Day • DI - Dispenser • DK - Kilometers • DL - Deciliter • DM - Decimeter • DR - Drum • DS - Display • DZ - Dozen • EA - Each • F0 - Fluid Ounce • FT - Foot • GA - Gallon • GL - Gram/liter • GR - Gram • GS - Gross • H4 - Hectoliter • HF - Hundred Feet • HR - Hours • IN - Inch • K6 - Kiloliters • KG - Kilogram • KT - Kit • LB - Pounds • LF - Linear Foot • L0 - Lot (unit of procurement) • LT - Liter • LY - Linear Yard • MC - Microgram • ME - Milligram • ML - Milliliter • MM - Millimeter • M0 - Months • MR - Meter • OZ - Ounces • PC - Piece • PF - Pallet • PK - Package • PR - Pair • PT - Pint • QT - Quart • RL - Roll • SC - Square Centimeter • SF - Square Foot • SH - Sheet • SI - Square Inch • SM - Square Meter • ST - Set • SY - Square Yard • T3 - Thousand Pieces • TB - Tube • TH - Thousand • TY - Tray • U2 - Tablet • UM - Million • UN - Unit • V2 - Pouch • VI - Vial • WK - Week • YD - Yard • YR - Years | UN |
| LIN | 0...1 | - | Item identification segment in PTD - QTY. | - |
| LIN01 | 0...1 | 1/20 | Line item identification. | 01 |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|---|-------------|
| LIN02 | 1...1 | 2/2 | <p>Required. Product service ID qualifier mapping from global standards enumeration list.</p> <p>Valid values</p> <ul style="list-style-type: none"> • BP - Customer's material number • CB - Buyer Catalog • EN - EAN 2-5-5-1 • FV - Canada product number • IN - Customer's(Buyer's) product item number • MF - Manufacturer's product number • MG - Manufacturer's part number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • N5 - US National Health Related Item Code with hyphen separator with 5 and characters • N6 - US National Health Related Item Code with hyphen separators with 6 and 4 characters • ND - US-National-Drug-Code • NH - US National Health Related Item Code • PI - Customer's material number • SK - Stock keeping unit • UA - UPC Case Code (2-5-5) • UJ - PackageUPC • UI - UPC Consumer Package Code (1-5-5) • UK - GTIN14 identifier • UP - EAN/UPC Universal Item Number/GTIN12 • UX - Universal product number • VC - Vendor (Supplier) material number • VN - Supplier material number. | VN |
| LIN03 | 1...1 | 1/80 | <p>Required. Product or service identifier.</p> | 08202000230 |
| LIN04 | 0...1 | 2/2 | <p>Product service ID qualifier mapping from global standards enumeration list.</p> <p>Valid values</p> <ul style="list-style-type: none"> • BP - Customer's material number • CB - Buyer Catalog • EN - EAN 2-5-5-1 • FV - Canada product number • IN - Customer's(Buyer's) product item number • MF - Manufacturer's product number • MG - Manufacturer's part number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • N5 - US National Health Related Item Code with hyphen separator with 5 and characters • N6 - US National Health Related Item Code with hyphen separators with 6 and 4 characters • ND - US-National-Drug-Code • NH - US National Health Related Item Code • PI - Customer's material number • SK - Stock keeping unit • UA - UPC Case Code (2-5-5) • UJ - PackageUPC • UI - UPC Consumer Package Code (1-5-5) • UK - GTIN14 identifier • UP - EAN/UPC Universal Item Number/GTIN12 • UX - Universal product number • VC - Vendor (Supplier) material number • VN - Supplier material number. | VN |
| LIN05 | 0...1 | 1/80 | Product or service identifier. | 08202000230 |
| LIN06 | 0...1 | 2/2 | product service ID qualifier mapping from global standards enumeration list. | LT |
| LIN07 | 0...1 | 1/80 | Product or service identifier. | LOT123 |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|---|-------------|
| LIN08 | - | - | Product service ID qualifier mapping from global standards enumeration list. Valid values <ul style="list-style-type: none"> • BP - Customer's material number • CB - Buyer Catalog • EN - EAN 2-5-5-1 • FV - Canada product number • IN - Customer's(Buyer's) product item number • MF - Manufacturer's product number • MG - Manufacturer's part number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • N5 - US National Health Related Item Code with hyphen separator with 5 and characters • N6 - US National Health Related Item Code with hyphen separators with 6 and 4 characters • ND - US-National-Drug-Code • NH - US National Health Related Item Code • PI - Customer's material number • SK - Stock keeping unit • UA - UPC Case Code (2-5-5) • UJ - PackageUPC • UI - UPC Consumer Package Code (1-5-5) • UK - GTIN14 identifier • UP - EAN/UPC Universal Item Number/GTIN12 • UX - Universal product number • VC - Vendor (Supplier) material number • VN - Supplier material number. | VN |
| LIN09 | - | - | Product or service identifier. | 08202000230 |
| LIN10 | 0...1 | 2/2 | Product service ID qualifier mapping from global standards enumeration list. Valid values <ul style="list-style-type: none"> • BP - Customer's material number • CB - Buyer Catalog • EN - EAN 2-5-5-1 • FV - Canada product number • IN - Customer's(Buyer's) product item number • MF - Manufacturer's product number • MG - Manufacturer's part number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • N5 - US National Health Related Item Code with hyphen separator with 5 and characters • N6 - US National Health Related Item Code with hyphen separators with 6 and 4 characters • ND - US-National-Drug-Code • NH - US National Health Related Item Code • PI - Customer's material number • SK - Stock keeping unit • UA - UPC Case Code (2-5-5) • UJ - PackageUPC • UI - UPC Consumer Package Code (1-5-5) • UK - GTIN14 identifier • UP - EAN/UPC Universal Item Number/GTIN12 • UX - Universal product number • VC - Vendor (Supplier) material number • VN - Supplier material number. | VN |
| LIN11 | 0...1 | 1/80 | Product or service identifier. | 08202000230 |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|---|-------------|
| LIN12 | 0...1 | 2/2 | Product service ID qualifier mapping from global standards enumeration list. Valid values <ul style="list-style-type: none"> • BP - Customer's material number • CB - Buyer Catalog • EN - EAN 2-5-5-1 • FV - Canada product number • IN - Customer's(Buyer's) product item number • MF - Manufacturer's product number • MG - Manufacturer's part number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • N5 - US National Health Related Item Code with hypen separator with 5 and characters • N6 - US National Health Related Item Code with hypen separators with 6 and 4 characters • ND - US-National-Drug-Code • NH - US National Health Related Item Code • PI - Customer's material number • SK - Stock keeping unit • UA - UPC Case Code (2-5-5) • UJ - PackageUPC • UI - UPC Consumer Package Code (1-5-5) • UK - GTIN14 identifier • UP - EAN/UPC Universal Item Number/GTIN12 • UX - Universal product number • VC - Vendor (Supplier) material number • VN - Supplier material number. | VN |
| LIN13 | 0...1 | 1/80 | Product or service identifier. | 08202000230 |
| LIN14 | 0...1 | 2/2 | Product service ID qualifier mapping from global standards enumeration list. Valid values <ul style="list-style-type: none"> • BP - Customer's material number • CB - Buyer Catalog • EN - EAN 2-5-5-1 • FV - Canada product number • IN - Customer's(Buyer's) product item number • MF - Manufacturer's product number • MG - Manufacturer's part number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • N5 - US National Health Related Item Code with hypen separator with 5 and characters • N6 - US National Health Related Item Code with hypen separators with 6 and 4 characters • ND - US-National-Drug-Code • NH - US National Health Related Item Code • PI - Customer's material number • SK - Stock keeping unit • UA - UPC Case Code (2-5-5) • UJ - PackageUPC • UI - UPC Consumer Package Code (1-5-5) • UK - GTIN14 identifier • UP - EAN/UPC Universal Item Number/GTIN12 • UX - Universal product number • VC - Vendor (Supplier) material number • VN - Supplier material number. | VN |
| LIN15 | 0...1 | 1/80 | Product or service identifier. | 08202000230 |

| Input Element | Occurs | Length | Description | Example |
|---------------|---------|--------|--|----------------|
| LIN16 | 0...1 | 2/2 | Product service ID qualifier mapping from global standards enumeration list. Valid values <ul style="list-style-type: none"> • BP - Customer's material number • CB - Buyer Catalog • EN - EAN 2-5-5-1 • FV - Canada product number • IN - Customer's(Buyer's) product item number • MF - Manufacturer's product number • MG - Manufacturer's part number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • N5 - US National Health Related Item Code with hyphen separator with 5 and characters • N6 - US National Health Related Item Code with hyphen separators with 6 and 4 characters • ND - US-National-Drug-Code • NH - US National Health Related Item Code • PI - Customer's material number • SK - Stock keeping unit • UA - UPC Case Code (2-5-5) • UJ - PackageUPC • UI - UPC Consumer Package Code (1-5-5) • UK - GTIN14 identifier • UP - EAN/UPC Universal Item Number/GTIN12 • UX - Universal product number • VC - Vendor (Supplier) material number • VN - Supplier material number. | VN |
| LIN17 | 0...1 | 1/80 | Product or service identifier. | 08202000230 |
| PID | 0...200 | - | To capture product description details. | - |
| PID01 | 1...1 | 1/1 | Required. Item description type code. Valid value is F - Free form description | F |
| PID05 | 0...1 | 1/80 | Free form description of item. | Free form text |
| MEA | 0...40 | - | To indicate actual sales and market capture for the product. | - |
| MEA01 | 0...1 | 2/2 | Measurement Reference ID code. Valid values: <ul style="list-style-type: none"> • AF - Total market sales • AK - Penetration of this product | AK |
| MEA02 | 0...1 | 1/3 | Measurement qualifier - Code identifying a measurement type for a measurement value. Valid value is AY - Number of comparable sales | CP |
| MEA03 | 0...1 | 1/20 | Measurement value - The value of the measurement. | 12324 |

| | Input Element | Occurs | Length | Description | Example |
|--|---------------|--------|--------|---|---------|
| | MEA04.1 | 1...1 | 2/2 | <p>Required. Marks and numbers used to identify a shipment or parts of a shipment.</p> <p>.Valid values</p> <ul style="list-style-type: none"> • 02 - Statute Mile • 4G - Microliter • AM - Ampoule • AV - Capsule • BD - Bundle • BG - Bag • B0 - Bottle • BX - Box • C3 - Centiliter • CA - Case • CC - Cubic Centimeter • CF - Cubic Feet • CG - Card, Blister • CI - Cubic Inches • CL - Cylinder • CM - Centimeter • CN - Can • CP - Crate • CQ - Cartridge • CR - Cubic Meters • CT - Carton • DA - Day • DI - Dispenser • DK - Kilometers • DL - Deciliter • DM - Decimeter • DR - Drum • DS - Display • DZ - Dozen • EA - Each • FO - Fluid Ounce • FT - Foot • GA - Gallon • GL - Gram/liter • GR - Gram • GS - Gross • H4 - Hectoliter • HF - Hundred Feet • HR - Hours • IN - Inch • K6 - Kiloliters • KG - Kilogram • KT - Kit • LB - Pounds • LF - Linear Foot • L0 - Lot (unit of procurement) • LT - Liter • LY - Linear Yard • MC - Microgram • ME - Milligram • ML - Milliliter • MM - Millimeter • MO - Months • MR - Meter • OZ - Ounces • PC - Piece • PF - Pallet • PK - Package • PR - Pair • PT - Pint • QT - Quart • RL - Roll • SC - Square Centimeter • SF - Square Foot • SH - Sheet • SI - Square Inch • SM - Square Meter • ST - Set • SY - Square Yard • T3 - Thousand Pieces • TB - Tube • TH - Thousand • TY - Tray • U2 - Tablet • UM - Million • UN - Unit • V2 - Pouch • VI - Vial • WK - Week • YD - Yard • YR - Years | CA |
| | UIT | 0...5 | - | Specifies item unit details of the product that is being reported. PTD-QTY-UIT | - |
| | UIT01 | 1...1 | - | Required. - | - |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|---|---------|
| UIT01.1 | 1...1 | 2/2 | <p>Required. Unit of measure for recorded product in adjustment.</p> <p>.Valid values</p> <ul style="list-style-type: none"> • 02 - Statute Mile • 4G - Microliter • AM - Ampoule • AV - Capsule • BD - Bundle • BG - Bag • B0 - Bottle • BX - Box • C3 - Centiliter • CA - Case • CC - Cubic Centimeter • CF - Cubic Feet • CG - Card, Blister • CI - Cubic Inches • CL - Cylinder • CM - Centimeter • CN - Can • CP - Crate • CQ - Cartridge • CR - Cubic Meters • CT - Carton • DA - Day • DI - Dispenser • DK - Kilometers • DL - Deciliter • DM - Decimeter • DR - Drum • DS - Display • DZ - Dozen • EA - Each • FO - Fluid Ounce • FT - Foot • GA - Gallon • GL - Gram/liter • GR - Gram • GS - Gross • H4 - Hectoliter • HF - Hundred Feet • HR - Hours • IN - Inch • K6 - Kiloliters • KG - Kilogram • KT - Kit • LB - Pounds • LF - Linear Foot • L0 - Lot (unit of procurement) • LT - Liter • LY - Linear Yard • MC - Microgram • ME - Milligram • ML - Milliliter • MM - Millimeter • M0 - Months • MR - Meter • OZ - Ounces • PC - Piece • PF - Pallet • PK - Package • PR - Pair • PT - Pint • QT - Quart • RL - Roll • SC - Square Centimeter • SF - Square Foot • SH - Sheet • SI - Square Inch • SM - Square Meter • ST - Set • SY - Square Yard • T3 - Thousand Pieces • TB - Tube • TH - Thousand • TY - Tray • U2 - Tablet • UM - Million • UN - Unit • V2 - Pouch • VI - Vial • WK - Week • YD - Yard • YR - Years | UN |
| UIT02 | 0...1 | 1/17 | Item unit price. | 12.10 |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|---|---------|
| UIT03 | 0...1 | 2/2 | Code identifying the type of unit price. Valid values : • CT - Price according to the contract • WH - Wholesale price • DI - Distributor price • NT - Net price • RS - Resale price • DR - Dealer price • DS - Discount price • CA - Catalog price | CT |
| AMT | 0...12 | - | Line item monetary amount. | - |
| AMT01 | 1...1 | 1/3 | Required. Qualifier code defining amount for. Valid values: • 1 - Line item total • CC - Chargeback Claim Amount • CM - Claimant Requested Total • NA - Net Adjustment • S - Submitted Chargeback Claim Amount • TP - Total Payment • Z3 - Unit Cost of Discrepant Material • TS - Total sales amount • TT - Total transaction amount | 1 |
| AMT02 | 1...1 | 1/18 | Required. Monetary amount. | 275.36 |
| AMT03 | 0...1 | 1/1 | Credit or debit flag code indicating whether the amount is a credit or a debit. Valid values: • C - Credit • D - Debit | D |
| ITA | 0...10 | - | Allowances and charges | - |
| ITA01 | 1...1 | 1/1 | Required. Allowance or charge indicator. Valid values: • P - Pramotion • A - Allowance • C - Charge | P |
| ITA04 | 1...1 | 2/2 | Required. Allowance or charge method of handling code.Valid value is 02 - Offinvoice | 02 |
| ITA06 | 0...1 | 1/15 | Allowance or charge percent rate. | 10.00 |
| ITA07 | 0...1 | 1/17 | Allowance or charge total amount (Implicit decimal). | 12.00 |
| REF | 0...20 | - | REF reference segment loop for invoice number reference in PTD-QTY loop group. | - |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|--|------------|
| REF01 | 1...1 | 2/3 | Required. Reference identification qualifier for the contract number Valid values: <ul style="list-style-type: none"> • 2I - Tracking Number • LT - Lot number • IT - Internal customer number • IV - Seller Invoice number • 8V - Credit reference number, is a Credit memo number issued on return of original invoice number • CT - Contract number • DI - Distributor invoice number • DH - Drug Enforcement Administration Number • HI - Health Industry Number (HIN) • RY - Rebate reference number • ZZ - Mutually defined number • IX - Item number • PE - Plant number • LI - Line item number • VN - Supplier order number • P0 - Purchase order number • DL - Sellers debit memo • CM - Buyer credit memo • OI - Original invoice number • SB - Sales region number | 8V |
| REF02 | 0...1 | 1/80 | Reference identifier value. | 4500018486 |
| REF03 | 0...1 | 1/80 | A free-form description to clarify the related data elements and their content. Description defined by qualifier code in transactionReferenceIdentifier (REF02). | Acute Care |
| DTM | 0...10 | - | DTM date segment in PTD-QTY loop group 120. | - |
| DTM01 | 1...1 | 3/3 | Required. Date type qualifier for contract dates in PTD-QTY-DTM loop. Valid values: <ul style="list-style-type: none"> • 003 - Invoice date • 040 - Status (After and Including) • 041 - Status (Prior and Including) • 090 - Report start date • 091 - Report end date • 011 - Shipped date • 004 - Purchase order date • 188 - Credit advice date • 514 - Transfer date | '514 |
| DTM02 | 0...1 | 8/8 | Contract date in date format YYYYMMDD. | 20240628 |
| DTM03 | 0...1 | 4/8 | Contract time in time format HHMMSS. | 123422 |
| LX | 0...* | - | LX group to capture serial numbers of products. | - |
| LX01 | 1...1 | 1/6 | Required. Assigned Number, line item unique number for each serial number, this will get incremented for each LX iteration. This will get reset to 1 for each iteration of productTransferQuantityDetails array. | 1 |
| REF | 0...* | - | REF reference segment loop for each product serial number, mostly it will be one iteration. | - |
| REF01 | 1...1 | 2/3 | Required. Reference identification qualifier for the contract number. Valid values is SE - Serial number | SE |
| REF02 | 0...1 | 1/80 | Reference identifier value. | 45123 |
| CTT | 1...1 | - | Required. CTT-Transaction Totals | - |
| CTT01 | 1...1 | 1/6 | Required. Total number of line items in the transaction set. | 15 |
| CTT02 | 0...1 | 1/10 | Sum of Total number of quantities in transaction. | 10 |
| AMT | 0...12 | - | Summary monetary amount. | - |

| Input Element | Occurs | Length | Description | Example |
|---------------|--------|--------|---|-----------------|
| AMT01 | 1...1 | 1/3 | Required. Qualifier code defining amount for. Valid values: • 1 - Line item total • CC - Chargeback Claim Amount • CM - Claimant Requested Total • NA - Net Adjustment • S - Submitted Chargeback Claim Amount • TP - Total Payment • Z3 - Unit Cost of Discrepant Material • TS - Total sales amount • TT - Total transaction amount | TP |
| AMT02 | 1...1 | 1/18 | Required. Monetary amount. | 275.36 |
| AMT03 | 0...1 | 1/1 | Credit or debit flag code indicating whether the amount is a credit or a debit. Valid values: • C - Credit • D - Debit | D |
| SE | 1...1 | - | Required. ST ... SE transaction set trailer envelope. Child of GS group. Only one ST transaction expected. | - |
| SE01 | 1...1 | 1/10 | Required. Total count of segments in ST ... SE transaction set including ST and SE segments. | 10 |
| SE02 | 1...1 | 4/9 | Required. Transaction set control number. | 0001 |
| GE | 1...1 | - | Required. GS ... GE functional group trailer envelope. Child of ISA interchange. Only one GS group expected. | - |
| GE01 | 1...1 | 1/6 | Required. Number of transaction sets in functional group. | 5 |
| GE02 | 1...1 | 1/9 | Required. Functional group control number. | 619827 |
| IEA | 1...1 | - | Required. ISA ... IEA interchange control trailer envelope. Only one interchange expected per transmission. | - |
| IEA01 | 1...1 | 1/5 | Required. Number of functional groups in interchange. | 1 |
| IEA02 | 1...1 | 9/9 | Required. Interchange control number. | 000000000619827 |

Example

```

ISA*00*ISA0210100*00*ISA0410100*07*7777776067344
*01*888888404358877*190125*0937*^*00501*000619827*0*P*>~
GS*CF*222224043588*TRACELINK*20190125*090000*828691477*X*005010~
ST*867*0001~
BPT*00*234001*20250409*SS****174447*234000~
CUR*SE*USD~
DTM*090*20250409*174447~
REF*IV*S340B*sub-340B~
REF*DL*SZZ0B*sub-ZZ0B~
REF*CM*SDI0B*sub-DI0B~
N1*BY*NameBY*9*BY_companyID~
N3*Address1*Address2~
N4*City*MI*00000*US~
PER*AJ*Name*TE*111111111~
PER*AJ*Name2*EM*emailBY@gmail.com~
N1*SU*SUP PHARMACEUTICAL*92*4573753~
N3*251 Ridge Pond Road*Address2_SU~
N4*Spring Hills*NY*55221*US~
PER*AJ*Name2*EM*emailSU@gmail.com*TE*22222222~
N1*VN*SUP PHARMACEUTICAL*92*4573753~
N3*251 Ridge Pond Road*Address2_VN~

```

N4*Spring Hills*NY*55221*US~
PER*AJ*Name2*EM*emailVN@gmail.com*TE*2222222VN~
N1*BT*Pharma customer_BT*UL*3333331013655~
N3*555 Neelan Road*Suite 123*~
N4*Sacramento*CA*95833*US~
PER*AJ*Name2*EM*emailBT@gmail.com*TE*2222222BT~
N1*ST*VALUE DRUG COMPANY*11*RV0464646~
N3*195 THEATER DRIVE*Address2_ST~
N4*DUNCANSVILLE*PA*16635*US~
PER*AJ*Name*TE*333333333~
PER*AJ*Name2*EM*emailST@gmail.com~
N1*MF*PAR PHARMACEUTICAL*UL*PP0244703~
N3*30 DUNNIGAN DRIVE, SUITE C*Address2_MF~
N4*MONTEBELLO*NY*10901*USA~
PER*AJ*Name*TE*444444444~
PER*AJ*Name2*EM*emailMF@gmail.com~
N1*RL*PAR PHARMACEUTICAL*UL*PP0244703~
N3*30 DUNNIGAN DRIVE, SUITE C*Address2_RL~
N4*MONTEBELLO*NY*10901*USA~
PER*AJ*Name*TE*444444455~
PER*AJ*Name2*EM*emailRL@gmail.com~
N1*DS*Wholesale Inc*9*33333~
N3*DS_Address1*DS_Address2~
N4*DS_City*CT*999999*US~
PER*AJ*Name*TE*555555555~
PER*AJ*Name2*EM*emailDS@gmail.com~
N1*DB*Wholesale Inc*9*44444~
N3*DB_Address1*DB_Address2~
N4*DB_City*CT*999999*US~
PER*AJ*Name*TE*666666666~
PER*AJ*Name2*EM*emailDB@gmail.com~
PTD*CC~
REF*CT*4500018486*Acute Care~
REF*P0*4500018486P0*Acute Care~
N1*BT*Pharma customer_BT*UL*3333331013655~
N3*555 Neelan Road*Suite 123*~
N4*Sacramento*CA*95833*US~
REF*2U*AC*Acute Care_2U~
REF*DH*AC*Acute Care_DH~
N1*ST*VALUE DRUG COMPANY*11*RV0464646~
N3*195 THEATER DRIVE*Address2_ST~
N4*DUNCANSVILLE*PA*16635*US~
REF*HI*AC*Acute Care_HI~
REF*L1*AC*Acute Care_L1~
N1*MF*PAR PHARMACEUTICAL*UL*PP0244703~
N3*30 DUNNIGAN DRIVE, SUITE C*Address2_MF~

N4*MONTEBELLO*NY*10901*USA~
PER*AJ*Name*TE*44444444~
PER*AJ*Name2*EM*emailMF@gmail.com~
N1*DS*Pharma customer*11*RV0464689~
N3*195 THEATER DRIVE*Address2_DS~
N4*DUNCANSVILLE*PA*16635*US~
REF*LU*AC*Acute Care_LU~
REF*P7*AC*Acute Care_P7~
N1*DB*Wholesale Inc*9*44444~
N3*DB_Address1*DB_Address2~
N4*DB_City*CT*999999*US~
PER*AJ*Name*TE*66666666~
PER*AJ*Name2*EM*emailDB@gmail.com~
QTY*32*209*UN~
P03*DC*****210*EA~
LIN*01*VN*08202000230*UP*08202000230UP*EN*08202000230EN~
PID*F****FFT~
PID*A****EET~
PID*S****GGT~
MEA*AK*AY*1235*CA~
MEA*AX*A1*1289*CA~
MEA*RL*A2*1290*CA~
UIT*UN*22.2*CT~
AMT*1*225*D~
ITA*P***02**229*230~
REF*LT*4500018486*Acute~
REF*IV*4500018486IV*Acute~
DTM*514*20250409*174447~
LX*1~
REF*SE*45123~
CTT*243~
SE*244*0001~
GE*246*619827~
IEA*248*000619827~
PTD*CC~
REF*CT*4500018486*Acute Care~
REF*P0*4500018486P0*Acute Care~
N1*BT*Pharma customer_BT*UL*3333331013655~
N3*555 Neelan Road*Suite 123*~
N4*Sacramento*CA*95833*US~
REF*2U*AC*Acute Care_2U~
REF*DH*AC*Acute Care_DH~
N1*ST*VALUE DRUG COMPANY*11*RV0464646~
N3*195 THEATER DRIVE*Address2_ST~
N4*DUNCANSVILLE*PA*16635*US~
REF*HI*AC*Acute Care_HI~

REF*L1*AC*Acute Care_L1~
N1*MF*PAR PHARMACEUTICAL*UL*PP0244703~
N3*30 DUNNIGAN DRIVE, SUITE C*Address2_MF~
N4*MONTEBELLO*NY*10901*USA~
PER*AJ*Name*TE*444444444~
PER*AJ*Name2*EM*emailMF@gmail.com~
N1*DS*Pharma customer*11*RV0464689~
N3*195 THEATER DRIVE*Address2_DS~
N4*DUNCANSVILLE*PA*16635*US~
REF*LU*AC*Acute Care_LU~
REF*P7*AC*Acute Care_P7~
N1*DB*Wholesale Inc*9*44444~
N3*DB_Address1*DB_Address2~
N4*DB_City*CT*999999*US~
PER*AJ*Name*TE*666666666~
PER*AJ*Name2*EM*emailDB@gmail.com~
QTY*32*209*UN~
P03*DC*****210*EA~
LIN*01*VN*08202000230*UP*08202000230UP*EN*08202000230EN~
PID*F****FFT~
PID*A****EET~
PID*S****GGT~
MEA*AK*AY*1235*CA~
MEA*AX*A1*1289*CA~
MEA*RL*A2*1290*CA~
UIT*UN*22.2*CT~
AMT*1*225*D~
ITA*P***02**229*230~
REF*LT*4500018486*Acute~
REF*IV*4500018486IV*Acute~
DTM*514*20250409*174447~
LX*1~
REF*SE*45123~
CTT*243~
SE*244*0001~
GE*246*619827~
IEA*248*000619827~



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