

TRACELINK UNIVERSITY

Product transfer resale (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

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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.	-
ISA05	1...1	2/2	**Required.** Interchange sender partner ID qualifier. **Valid values:** • 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 del Codigo 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

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Input Element	Occurs	Length	Description	Example
ISA06	1...1	15/15	**Required.** Interchange sender identification mapping to: • fileSenderNumber with party type defined in ISA05 • linkIdentifier • x12InterchangeControlEnvelope for sender in X12 control file header	7777776067344
ISA07	1...1	2/2	**Required.** Interchange receiver partner ID qualifier. **Valid values:** • 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 del Codigo 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	**Required.** EDI receiver ID mapping to file control header and to ServiceLinkId. Interchange receiver identification mapping to ediInterchangePartyValue for receiver in X12 control file header.	888888404358877
ISA09	1...1	6/6	**Required.** Interchange date in 6 char YYMMDD format.	231020

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Input Element	Occurs	Length	Description	Example
ISA10	1...1	4/4	**Required.** Interchange time in 4 char HHMM format.	1420
ISA11	1...1	1/1	**Required.** This value is dependent on X12 version. • `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 • X12 control file header interchangeControlIdentifier.	0000000000619827
ISA14	1...1	1/1	**Required.** Interchange level acknowledgment requested. Valid values: • `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: • `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: • 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: • `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

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Input Element	Occurs	Length	Description	Example
BPT04	0...1	2/2	Report type code, indicating content of the transaction. Valid values: • 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: • 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: • 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.	-

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Input Element	Occurs	Length	Description	Example
REF01	1...1	2/3	**Required.** Reference identification qualifier for the contract class. Valid values: • 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	-	N1 name segment loop for the • 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	**Required.** Entity qualifier for the Customer party identifier and address information. Valid values: • 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	Identifier code qualifier. Valid values: • 01 – DUNS • 09 – DUNS+4 • 11 – Drug Enforcement Agency registration number • 21 – Health Industry Number • 54 - Warehouse • 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

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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 descrease) • 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

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Input Element	Occurs	Length	Description	Example
PTD04	0...1	2/3	Reference Identification Qualifier. Valid values: • 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: • AI - Adjustment In • AO - 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: • 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

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Input Element	Occurs	Length	Description	Example
REF	0...20	-	REF reference segment loop for: • contract number reference in PTD loop group • capturing reference identfiers in PTD loop group	-
REF01	1...1	2/3	**Required.** Reference identification qualifier for the contract number. Valid values: • 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
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: • 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.	-

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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: • 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: • 01 – DUNS • 09 – DUNS+4 • 11 – Drug Enforcement Agency registration number • 21 – Health Industry Number • 54 - Warehouse • 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.	-

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Input Element	Occurs	Length	Description	Example
REF01	1...1	2/3	**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. Valid values: • 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	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	-

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Input Element	Occurs	Length	Description	Example
SII01	1...1	2/2	**Required.** Product/Service Qualifier **Valid values** • 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

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Input Element	Occurs	Length	Description	Example
SII04.1	1...1	2/2	**Required.** Unit of measure used for pricing. **Valid values:** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – 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 • MO – 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

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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: • 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 • 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: • 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

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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

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Input Element	Occurs	Length	Description	Example
QTY03.1	1...1	2/2	**Required.** Unit of measure used for pricing. **Valid values** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – 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 • LO – 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	UN
PO3	0...25	-	Additional item details segment in PTD-QTY.	-

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Input Element	Occurs	Length	Description	Example
PO301	1...1	2/2	**Required.** Change reason code, kind of change that is being communicated. Valid values: • 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: • 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

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Input Element	Occurs	Length	Description	Example
PO307	1...1	2/2	**Required.** Unit of measure used for pricing. **Valid values** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – 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 • LO – 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	UN
LIN	0...1	-	Item identification segment in PTD - QTY.	-
LIN01	0...1	1/20	Line item identification.	01

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Input Element	Occurs	Length	Description	Example
LIN02	1...1	2/2	**Required.** Product service ID qualifier mapping from global standards enumeration list. **Valid values** • 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
LIN03	1...1	1/80	**Required.** Product or service identifier.	08202000230
LIN04	0...1	2/2	Product service ID qualifier mapping from global standards enumeration list. **Valid values** • 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
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

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Input Element	Occurs	Length	Description	Example
LIN08	-	-	Product service ID qualifier mapping from global standards enumeration list. **Valid values** • 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
LIN09	-	-	Product or service identifier.	08202000230
LIN10	0...1	2/2	Product service ID qualifier mapping from global standards enumeration list. **Valid values** • 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
LIN11	0...1	1/80	Product or service identifier.	08202000230

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Input Element	Occurs	Length	Description	Example
LIN12	0...1	2/2	Product service ID qualifier mapping from global standards enumeration list. **Valid values** • 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** • 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

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Input Element	Occurs	Length	Description	Example
LIN16	0...1	2/2	Product service ID qualifier mapping from global standards enumeration list. **Valid values** • 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
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: • 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

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Input Element	Occurs	Length	Description	Example
MEA04.1	1...1	2/2	**Required.** Marks and numbers used to identify a shipment or parts of a shipment. **Valid values** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – 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 • LO – 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.** -	-

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Input Element	Occurs	Length	Description	Example
UIT01.1	1...1	2/2	**Required.** Unit of measure for recorded product in adjustment. **Valid values** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – 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 • LO – 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	UN
UIT02	0...1	1/17	Item unit price.	12.10

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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.	-

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Input Element	Occurs	Length	Description	Example
REF01	1...1	2/3	**Required.** Reference identification qualifier for the contract number Valid values: • 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	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: • 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.	-

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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.	0000000000619827

Example

```
ISA*00*ISA0210100*00*ISA0410100*07*7777776067344
*01*888888404358877*190125*0937*^*00501*000619827*0*P*>~
GS*CF*2222224043588*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*222222222~
N1*VN*SUP PHARMACEUTICAL*92*4573753~
N3*251 Ridge Pond Road*Address2_VN~
```

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```
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*PO*4500018486PO*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~
```

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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~
PO3*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~
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N3*555 Neelan Road*Suite 123*~
N4*Sacramento*CA*95833*US~
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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~
```

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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~
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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~
PO3*DC*****210*EA~
LIN*01*VN*08202000230*UP*08202000230UP*EN*08202000230EN~
PID*F****FFT~
PID*A****EET~
PID*S****GGT~
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MEA*RL*A2*1290*CA~
UIT*UN*22.2*CT~
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REF*SE*45123~
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GE*246*619827~
IEA*248*000619827~
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