

**810**
Invoice
Version 005010 X12
Functional Group=IN

| BIG | | Beginning Segment for Invoice | | | | Pos: 020 | | Max: 1 | |
|-------------------------|-----------|---|--|-------------|----------------|----------------------------|--|--------------------|--|
| | | | | | | Heading - Mandatory | | | |
| | | | | | | Loop: N/A | | Elements: 4 | |
| Element Summary: | | | | | | | | | |
| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | | | |
| BIG01 | 373 | Date Description: Invoice Date expressed as CCYYMMDD | M | DT | 8/8 | Must use | | | |
| BIG02 | 76 | Invoice Number Description: Identifying number assigned by issuer | M | AN | 1/22 | Must use | | | |
| BIG03 | 373 | Date Description: PO Date expressed as CCYYMMDD | O | DT | 8/8 | Used | | | |
| BIG04 | 324 | Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser | O | AN | 1/22 | Used | | | |
| REF | | Reference Identification | | | | Pos: 050 | | Max: 12 | |
| | | | | | | Heading - Optional | | | |
| | | | | | | Loop: N/A | | Elements: 2 | |
| Element Summary: | | | | | | | | | |
| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | | | |
| REF01 | 128 | Reference Identification Qualifier | M | ID | 2/3 | Must use | | | |
| | | Code | Name | | | | | | |
| | | BM | Bill of Lading Number | | | | | | |
| REF02 | 127 | Reference Identification | M | AN | 1/30 | MustUse | | | |
| N1 | | Name | | | | Pos: 070 | | Max: 1 | |
| | | | | | | Heading - Optional | | | |
| | | | | | | Loop: N1 | | Elements: 4 | |
| Element Summary: | | | | | | | | | |
| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | | | |
| N101 | 98 | Entity Identifier Code | M | ID | 2/3 | Must use | | | |
| | | Code | Name | | | | | | |
| | | BT | Bill-to-Party | | | | | | |
| | | RE | Party to receive commercial invoice remittance | | | | | | |
| | | ST | Ship To | | | | | | |
| N102 | 93 | Name | M | AN | 1/60 | Must Use | | | |
| N103 | 66 | Identification Code Qualifier | M | ID | 1/2 | Must Use | | | |
| | | Code | Name | | | | | | |
| | | 9 | D-U-N-S+4, D-U-N-S Number with Four Character Suffix | | | | | | |
| N104 | 67 | Identification Code | M | AN | 2/80 | Must Use | | | |

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|-----------|----------------------------|---------------------------|--------------------|
| N3 | Address Information | Pos: 090 | Max: 2 |
| | | Heading - Optional | |
| | | Loop: N1 | Elements: 2 |

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| N301 | 166 | Address Information | M | AN | 1/55 | Must use |
| N302 | 166 | Address Information | O | AN | 1/55 | Used |

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|-----------|----------------------------|---------------------------|--------------------|
| N4 | Geographic Location | Pos: 100 | Max: 1 |
| | | Heading - Optional | |
| | | Loop: N1 | Elements: 3 |

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|------------------------|------------|-------------|----------------|--------------|
| N401 | 19 | City Name | O | AN | 2/30 | Used |
| N402 | 156 | State or Province Code | O | ID | 2/2 | Used |
| N403 | 116 | Postal Code | O | ID | 3/15 | Used |

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|------------|---|---------------------------|--------------------|
| ITD | Terms of Sale/Deferred Terms of Sale | Pos: 130 | Max: >1 |
| | | Heading - Optional | |
| | | Loop: N/A | Elements: 8 |

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| ITD01 | 336 | Terms Type Code 01 Basic 05 Discount Not Applicable Note: If ITD01 is 05 then ITD06 or ITD07 must be used. | M | ID | 2/2 | Must Use |
| ITD02 | 333 | Terms Basis Date Code | O | ID | 1/2 | Used |
| ITD03 | 338 | Terms Discount Percent | M | R | 1/6 | Must Use |
| ITD04 | 370 | Terms Discount Due Date | X | DT | 8/8 | Used |
| ITD05 | 351 | Terms Discount Days Due | X | N0 | 1/3 | Used |
| ITD06 | 446 | Terms Net Due Date | O | DT | 8/8 | Used |
| ITD07 | 386 | Terms Net Days | O | N0 | 1/3 | Used |
| ITD08 | 362 | Terms Discount Amount | O | N2 | 1/10 | Used |

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|------------|----------------------------|---------------------------|--------------------|
| DTM | Date/Time Reference | Pos: 140 | Max: 10 |
| | | Heading - Optional | |
| | | Loop: N/A | Elements: 2 |

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| DTM01 | 374 | Date/Time Qualifier | M | ID | 3/3 | Must use |
| | | <u>Code</u> <u>Name</u> | | | | |
| | | 011 Shipped | | | | |
| | | 035 Delivered | | | | |
| DTM02 | 373 | Date Description: Date expressed as CCYYMMDD | M | DT | 8/8 | Must Use |

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|-----|-----------------------------|--------------------|-------------|
| FOB | F.O.B. Related Instructions | Pos: 150 | Max: 1 |
| | | Heading - Optional | |
| | | Loop: N/A | Elements: 3 |

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|-----------------------------------|------------|---------------------------|----------------|--------------|
| FOB01 | 146 | Shipment Method of Payment | M | ID | 2/2 | Must use |
| | | Code | | Name | | |
| | | BP | | Paid by Buyer | | |
| | | PB | | Customer Pick-up/Backhaul | | |
| | | PP | | Prepaid (by Seller) | | |
| | | CC | | Collect | | |
| | | DE | | Per Contact | | |
| FOB02 | 309 | Location Qualifier | X | ID | 1/2 | Used |
| FOB03 | 352 | Description | O | AN | 1/80 | Used |

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|-----|------------------------------|-------------------|-------------|
| IT1 | Baseline Item Data (Invoice) | Pos: 010 | Max: 1 |
| | | Detail - Optional | |
| | | Loop: IT1 | Elements: 7 |

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|---------------------|----------------|--------------|
| IT102 | 358 | Quantity Invoiced | X | R | 1/10 | Used |
| IT103 | 355 | Unit or Basis for Measurement Code | X | ID | 2/2 | Used |
| IT104 | 212 | Unit Price | X | R | 1/17 | Used |
| IT106 | 235 | Product/Service ID Qualifier | X | ID | 2/2 | Used |
| | | Code | | Name | | |
| | | IN | | Buyer's Line Number | | |
| IT107 | 234 | Product/Service ID | X | AN | 1/48 | Used |
| IT108 | 235 | Product/Service ID Qualifier | X | ID | 2/2 | Used |
| IT109 | 234 | Product/Service ID | X | AN | 1/48 | Used |

| | | | |
|-----|----------------------|-------------------|-------------|
| IT3 | Additional Item Data | Pos: 030 | Max: 5 |
| | | Detail - Optional | |
| | | Loop: IT1 | Elements: 2 |

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| IT301 | 382 | Number of Units Shipped | X | R | 1/10 | Used |
| | | Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set | | | | |
| IT302 | 355 | Unit or Basis for Measurement Code | X | ID | 2/2 | Used |
| | | Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | | | |
| | | All valid standard codes are used. | | | | |

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|------------|---------------------------------|--|--|--|--|--------------------------|--------------------|
| PID | Product/Item Description | | | | | Pos: 060 | Max: 1 |
| | | | | | | Detail - Optional | |
| | | | | | | Loop: PID | Elements: 2 |

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|---|-----------|-----------------------|------------|-------------|----------------|--------------|
| PID01 | 349 | Item Description Type | M | ID | 1/1 | Must use |
| All valid standard codes are used. | | | | | | |
| PID05 | 352 | Description | X | AN | 1/80 | Used |

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|------------|------------------------------|--|--|--|--|--------------------------|--------------------|
| PO4 | Item Physical Details | | | | | Pos: 100 | Max: 1 |
| | | | | | | Detail - Optional | |
| | | | | | | Loop: IT1 | Elements: 3 |

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|------------------------------------|------------|-------------|----------------|--------------|
| PO401 | 356 | Pack | O | N0 | 1/6 | Used |
| PO402 | 357 | Size | X | R | 1/8 | Used |
| PO403 | 355 | Unit or Basis for Measurement Code | X | ID | 2/2 | Used |

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|------------|---|--|--|--|--|--------------------------|--------------------|
| SAC | Service, Promotion, Allowance, or Charge Information | | | | | Pos: 180 | Max: 1 |
| | | | | | | Detail - Optional | |
| | | | | | | Loop: SAC | Elements: 8 |

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| SAC01 | 248 | Allowance or Charge Indicator | M | ID | 1/1 | Must use |
| | | <u>Code</u> | | <u>Name</u> | | |
| | | A | | Allowance | | |
| | | C | | Charge | | |
| SAC02 | 1300 | Service, Promotion, Allowance, or Charge Code | X | ID | 4/4 | Used |
| SAC05 | 610 | Amount | O | N2 | 1/15 | Used |
| SAC06 | 378 | Allowance/Charge Percent Qualifier | X | ID | 1/1 | Used |
| SAC07 | 332 | Percent | X | R | 1/6 | Used |
| SAC08 | 118 | Rate | O | R | 1/9 | Used |
| SAC09 | 355 | Unit or Basis for Measurement Code | X | ID | 2/2 | Used |
| SAC10 | 380 | Quantity | X | R | 1/15 | Used |
| | | Description: Numeric value of quantity | | | | |

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|------------|-------------------------------------|--|--|--|--|----------------------------|--------------------|
| TDS | Total Monetary Value Summary | | | | | Pos: 010 | Max: 1 |
| | | | | | | Summary - Mandatory | |
| | | | | | | Loop: N/A | Elements: 3 |

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|----------------------------|------------|-------------|----------------|--------------|
| TDS01 | 610 | Gross Amount | M | N2 | 1/15 | Must use |
| TDS02 | 610 | Amount Subject to Discount | O | N2 | 1/15 | Used |
| TDS03 | 610 | Net Amount | M | N2 | 1/15 | Must Use |

| | | | |
|------------|---|---------------------------|--------------------|
| SAC | Service, Promotion, Allowance, or Charge Information | Pos: 040 | Max: 1 |
| | | Summary - Optional | |
| | | Loop: SAC | Elements: 9 |

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------------------------|----------------|--------------|
| SAC01 | 248 | Allowance or Charge Indicator | M | ID | 1/1 | Must use |
| | | <u>Code</u> | | <u>Name</u> | | |
| | | A | | Allowance | | |
| | | C | | Charge | | |
| SAC02 | 1300 | Service, Promotion, Allowance, or Charge Code | X | ID | 4/4 | Used |
| SAC05 | 610 | Amount | O | N2 | 1/15 | Used |
| SAC06 | 378 | Allowance/Charge Percent Qualifier | X | ID | 1/1 | Used |
| SAC07 | 332 | Percent | X | R | 1/6 | Used |
| SAC08 | 118 | Rate | O | R | 1/9 | Used |
| SAC09 | 355 | Unit or Basis for Measurement Code | X | ID | 2/2 | Used |
| SAC10 | 380 | Quantity | X | R | 1/15 | Used |
| SAC12 | 331 | Allowance or Charge Method of Handling Code | O | ID | 2/2 | Used |
| | | <u>Code</u> | | <u>Name</u> | | |
| | | 02 | | Off Invoice | | |
| | | 06 | | Charge to be Paid by Customer | | |

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|------------|---------------------------------|---------------------------|--------------------|
| ISS | Invoice Shipment Summary | Pos: 060 | Max: 1 |
| | | Summary - Optional | |
| | | Loop: ISS | Elements: 2 |

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| ISS01 | 382 | Number of Units Shipped | M | R | 1/10 | Must Use |
| ISS02 | 355 | Unit or Basis for Measurement Code | M | ID | 2/2 | Must Use |

| | | | |
|------------|---------------------------|---------------------------|--------------------|
| CTT | Transaction Totals | Pos: 070 | Max: 1 |
| | | Summary - Optional | |
| | | Loop: N/A | Elements: 1 |

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|-----------------------------|------------|-------------|----------------|--------------|
| CTT01 | 354 | Number of Line Items | M | N0 | 1/6 | Must use |

SAMPLE DATA

ISA*00* *00* *ZZ*123456789 *08*9254110060*040117*1618*U*00501* 000000269*0*P*>~
GS*IN*123456789*5137624388*20040217*1618*269*X*005010~

| | |
|--|--|
| ST*810*2690001~ | Start Transaction Set 810 |
| BIG*20040213*28376*20040213*K003259-00040~ | Invoice Date, Invoice#, PO Date, PO# |
| REF*BM*48120~ | Identifier Code & Bill of Lading |
| N1*RE*VENDOR NAME*9*1234567890000~ | Identifier Code, Name, Code Qualifier, Duns & Suffix |
| N3*P O BOX 12345~ | Address Information |
| N4*CLEVELAND*OH*44190~ | City name, State, Postal Code |
| N1*BT*WINCHESTER FARMS*9*0238607450253~ | Identifier Code, Name, Code Qualifier, Duns & Suffix |
| N3*P.O. BOX 465654~ | Address Information |
| N4*CINCINNATI*OH*452464524~ | City name, State, Postal Code |

| | |
|---|--|
| N1*ST*WINCHESTER FARMS*9*0238607450253~ | Identifier Code, Name, Code Qualifier, Duns & Suffix |
| N3*500 ROLLING HILLS~ | Address Information |
| N4*WINCHESTER*KY*403914039~ | City name, State, Postal Code |
| ITD*01*3*0*20040213*0*20040223*10*0~ | Terms Type, Terms Basis Code, Terms Discount, Terms Net Due, Terms Discount Days Due, Terms Net Due Date, Terms Net Days, Terms Discount Amount |
| FOB*PP~ | Shipment method |
| IT1*1*494*CA*5.58**IN*D01234~ | Assigned Identification, Quantity Invoices, Unit or Basis for Measurement Code, Unit Price, Product/Service ID Qualifier, Product/Service ID |
| PID*F****KROGER REGULAR CHEESE~ | Item Description Type, Description |
| IT1*2*260*CA*5.17**IN*D01235~ | Assigned Identification, Quantity Invoices, Unit or Basis for Measurement Code, Unit Price, Product/Service ID Qualifier, Product/Service ID |
| PID*F****KROGER LOW FAT CHEESE~ | Item Description Type, Description |
| IT1*3*130*CA*10.54**IN*D01236~ | Assigned Identification, Quantity Invoices, Unit or Basis for Measurement Code, Unit Price, Product/Service ID Qualifier, Product/Service ID |
| PID*F****KROGER REGULAR COLBY~ | Item Description Type, Description |
| IT1*4*260*CA*5.32**IN*D01237~ | Assigned Identification, Quantity Invoices, Unit or Basis for Measurement Code, Unit Price, Product/Service ID Qualifier, Product/Service ID |
| PID*F****KROGER SKIM CHEESE~ | Item Description Type, Description |
| IT1*5*130*CA*10.19**IN*D01238~ | Assigned Identification, Quantity Invoices, Unit or Basis for Measurement Code, Unit Price, Product/Service ID Qualifier, Product/Service ID |
| PID*F****KROGER PART SKIM CHEESE~ | Item Description Type, Description |
| TDS*817882*817882*817882~ | 1. Total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable. 2.The amount upon which the terms discount amount is calculated. 3.Amount of invoice due if pad by terms discount due date (total invoice or installment amount less cash discount |
| SAC*C*ZZZZ***2533~ | 1. Allowance or charge indicator 2. Service, promotion, allowance, or charge code 5. Amount |
| ISS*1274*CA~ | Number of units shipped, Unit or Basis for Measurement Code |
| CTT*5~ | Number of line items |
| SE*27*2690001~ | Number of included segments, transaction set control number |
| GE*1*269 | Number of transaction sets included, group control number |
| IEA*1*000000269~ | Number of included functional groups, Interchange control number |