

# Piggly Wiggly Carolina

856

ASN

EDI Documentation Mapping

X12

Version 4010



Revised 3-1-2007

Documentation Structure

ISA - INTERCHANGE CONTROL HEADER - MANDATORY

GS – FUNCTIONAL GROUP HEADER - MANDATORY

ST - TRANSACTION SET HEADER - MANDATORY

BSN - BEGINNING SEGMENT FOR SHIP NOTICE - MANDATORY

DTM - DATE/TIME REFERENCE - MANDATORY

HL - HIERARCHIAL LEVEL – SHIPMENT - MANDATORY

TD5 - CARRIER DETAILS - MANDATORY

TD3 - CARRIER DETAILS (EQUIPMENT) - OPTIONAL

REF - REFERENCE NUMBERS – MANDATORY

**N1 - Free-Form Name**

HL - HIERARCHIAL LEVEL - ORDER – MANDATORY

PRF - PURCHASE ORDER REFERENCE - MANDATORY

HL - HIERARCHIAL LEVEL - ITEM - MANDATORY

LIN - ITEM IDENTIFICATION - MANDATORY

SN1 - ITEM DETAIL (SHIPMENT) - MANDATORY

PO4 – ITEM PHYSICAL DETAILS - MANDATORY

PID – PRODUCT / ITEM DESCRIPTION - MANDATORY

MEA – MEASUREMENTS – MANDATORY

MAN – MARKS AND NUMBERS - OPTIONAL

DTM - DATE/TIME REFERENCE - MANDATORY

CTT - TRANSACTION TOTALS - MANDATORY

SE - TRANSACTION SET TRAILER - MANDATORY

GE - FUNCTIONAL GROUP TRAILER - MANDATORY

IEA - INTERCHANGE CONTROL TRAILER – MANDATORY

## Header Level

**Segment:** ISA - Interchange Control Header

**Usage:** Mandatory

**Max Use/Loop:** 1

**Purpose:** To start and Identify an interchange of one or more functional

**ISA Data Element Summary**

<b><u>Ref. Des.</u></b>	<b><u>Data Element</u></b>	<b><u>Name</u></b>	<b><u>Attributes</u></b>
ISA01	I01	<b>Authorizer ID Qualifier</b> "00"	M ID 2/2
ISA02	I02	<b>Authorizer Information</b> Blanks	
ISA03	I03	<b>Security Information Qualifier</b> "00"	M ID 2/12
ISA04	I04	<b>Security Information</b> Blanks	
ISA05	I05	<b>Interchange ID Qualifier</b> Supplier Preference: Supplier ID Qualifier	M ID 2/2
ISA06	I06	<b>Interchange Sender ID</b> Supplier Preference: Supplier Identification	M ID 15/15
ISA07	I07	<b>Interchange ID Qualifier</b>	M ID 2/2
ISA08	I08	<b>Interchange Receiver ID</b> Duns Number	M ID 9/9
ISA09	I09	<b>Interchange Date</b>	M DT 6/6
ISA10	I10	<b>Interchange Time</b> Military Time	M TM 4/4
ISA11	I11	<b>Interchange Standards ID</b> "U"	M ID 1/1
ISA12	I12	<b>Interchange Version ID</b> "00401"	M ID 5/5
ISA13	I13	<b>Interchange Control Number</b> Must be identical to the Interchange Control # contained in IEA02	M NO 9/9
ISA14	I14	<b>Acknowledge Requested</b> Supplier Preference: "0" for No Acknowledgment Requested, 1 for Acknowledgment Requested	M ID 1/1
ISA15	I15	<b>Test Indicator</b> Always "P" for Production	M ID 1/1
ISA16	I16	<b>Sub-element Separator</b>	M AN 1/1
<p><b>Segment: GS - Functional Group Header</b></p> <p><b>Usage:</b> Mandatory <b>Max</b> 1</p> <p><b>Use/Loop:</b></p> <p><b>Purpose:</b> To indicate the beginning of a functional group and to provide control information.</p>			

### GS Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
GS01	479	<b>Functional ID Code</b>	M ID 2/2
		"SH" for 856	
GS02	G142	<b>Application Sender Code</b>	M ID 7/7
		Supplier Number	
GS03	G124	<b>Application Receiver Code</b>	M ID 9/9
GS04	373	<b>Date</b>	M ID 8/8
		"YYYYMMDD"	
GS05	337	<b>Time</b>	M TM 4/4
		Military Time "HHMM"	
GS06	28	<b>Control Number</b>	M N0 1/9
		Must match the Data Interchange Control Number contained in the GE02 segment	
GS07	455	<b>Responsible Agency Code</b>	M ID 1/1
GS08	480	<b>Version / Rel</b>	M ID 1/12
		"004010"	

**Segment: ST – Transaction Set Header**

**Usage:** Mandatory

**Max** 1

**Use/Loop:**

**Purpose:** To indicate the start of a transaction set and to assign a control number.

### ST Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
ST01	143	<b>Transaction Set ID Code</b>	M ID 3/3
		"856" for Ship Notice	
ST 02	329	<b>Transaction Set Control Number</b>	M DT 8/8
		Must match the Transaction Set Control Number contained in the SE02 segment	

<p><b>Segment:</b> BSN – Beginning Segment of Ship Notice  <b>Usage:</b> Mandatory  <b>Max</b> 1  <b>Use/Loop:</b>  <b>Purpose:</b> To indicate identifying numbers, dates, and other basic data relating to the transaction set.</p>
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### BSN Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
BSN01	353	<b>Transaction Set Purpose Code</b>	M ID 2/2
		"00" for Original	
BSN02	396	<b>Shipment ID</b>	M AN 2/30
		This number must be referenced on the packing list as Shipment Identification Number (SID)	
BSN03	373	<b>Date</b>	M DT 8/8
		Date transaction was created "YYYYMMDD"	
BSN04	337	<b>Time</b>	O TM 4/4
		Time transaction was created "HHMM" Military Time	
BSN05	1005	<b>Hierarchial Structure Code</b>	O ID 4/4
		'0004'	

<p><b>Segment:</b> DTM – Date/Time Reference  <b>Usage:</b> Mandatory  <b>Max</b> 1  <b>Use/Loop:</b>  <b>Purpose:</b> To specify pertinent Dates and Times</p>
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### DTM Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
DTM 01	374	<b>Date / Time Reference</b>	M ID 3/3
		"067" For Current Schedule Delivery Date	
DTM 02	373	<b>Date</b>	M DT 8/8
		Delivery Date "YYYYMMDD"	

## Shipment Level

<p><b>Segment:</b> HL – Hierarchical Level</p> <p><b>Usage:</b> Mandatory</p> <p><b>Max</b> 1</p> <p><b>Use/Loop:</b></p>
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**Purpose:** To identify dependencies among and the content of hierarchially related groups of data segments.

### HL Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
HL01	628	<b>Hierarchial ID Number</b> "1" for Shipment Level	M AN 1-12
HL02	734	<b>Hierarchial Parent ID Number</b> Not used at shipment level	O AN 1/12
HL03	735	<b>Hierarchial Level Code</b> "S" for Shipment	M ID 1/1

**Segment: TD5 – Carrier Details**

**Usage:** Mandatory

**Max** 1

**Use/Loop:**

**Purpose:** To specify the carrier, sequence of routing, and to provide transit time information

### TD5 Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
TD505	387	<b>Routing</b> Trucking Company making the delivery	X AN 1-35

**Segment: TD3 – Carrier Details (Equipment)**

**Usage:** Optional

**Max** 1

**Use/Loop:**

**Purpose:** To specify transportation details relating to the equipment used by the carrier.

### TD3 Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
TD301	40	<b>Equipment Description Code</b>	O ID 2-2
		“TL” for Trailer	
TD303	207	<b>Equipment Number</b>	O AN 1-10
		Delivery Trailer	

**Segment: REF – Reference Numbers**

**Usage:** Mandatory

**Max** 1

**Use/Loop:**

**Purpose:** To specify identifying numbers

### REF Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
REF01	128	<b>Reference Number Qualifier</b>	M ID 2/2
		“BM” for Bill of Lading Number	
REF02	127	<b>Reference</b>	M AN 1/30
		Bill of Lading	

**Segment: N1**

**Usage:** Mandatory

**Max** 1

**Use/Loop:**

**Purpose:** To identify a party by type of organization, name, and code



## N1 Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
N101	98	<b>Entity Identifier Code</b>	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
N102	93	<b>Name</b>	M AN 1/60
		Free-form name It is recommended this field be sent in case a match is not found on our records	
N103	66	<b>Identification Code Qualifier</b>	M ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
N104	67	<b>Identification Code</b>	M AN 2/80
		Code identifying a party or other code	

## Order Level

<p><b>Segment:</b> HL – Hierarchical Level</p> <p><b>Usage:</b> Mandatory</p> <p><b>Max:</b> 100</p> <p><b>Use/Loop:</b></p> <p><b>Purpose:</b> To identify dependencies among and the content of hierarchially related groups of data segments.</p>
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### HL Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
HL01	628	Hierarchial ID Number	M AN 1/12
HL02	734	Hierarchial Parent ID Number	O AN 1/12
HL03	735	Hierarchial Level Code	M ID 1/1
		“O” for Order	

**Segment: PRF – Purchase Order Reference**

**Usage:** Mandatory  
**Max** 1

**Use/Loop:**

**Purpose:** To provide reference to a specific purchase order.

### PRF Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
PRF01	324	Purchase Order Number	M ID 4
		Our PO's are only 4 digits in length	

## Item Level

**Segment: HL – Hierarchical Level**

**Usage:** Mandatory  
**Max** 1 per HL- Item loop, can be repeated up to 999, 999 times

**Use/Loop:**

**Purpose:** To identify dependencies among and the content of hierarchially related groups of data segments.

### HL Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
HL01	628	<b>Hierarchial ID Number</b>	M AN 1/12
HL02	734	<b>Hierarchial Parent ID Number</b>	O AN 1/12
HL03	735	<b>Hierarchial Level Code</b>	M ID 1/1
		<b>"I" for Item</b>	

**Segment: LIN – Item Identification**

**Usage:** Mandatory  
**Max** 1 per HL Item Loop

**Use/Loop:**

**Purpose:** To specify basic item identification data.

### LIN Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
LIN02	235	<b>Product / Service ID Qualifier</b>	M ID 2/2
		"UA" for UPC Code	
LIN03	234	<b>Product / Service ID</b>	M AN 12/14
		UPC Code	
LIN04	235	<b>Product / Service ID Qualifier</b>	M ID 2/2
		"LT" for Lot Number	
LIN05	234	<b>Product / Service ID</b>	M AN 1/48
		Lot Number no Lot Number is available use NA	
LIN06	235	<b>Product / Service ID Qualifier</b>	M ID 2/2
		' CH' for Country of Origin	
LIN07	234	<b>Product / Service ID</b>	M AN 1/48
		Country of Origin Enter full country name (e.g. CANADA) if unknown use Unknown	

**Segment: SN1 – Item Detail (Shipment)**

**Usage:** Mandatory  
**Max** 1 per HL Item Loop

**Use/Loop:**

**Purpose:** To specify line item detail relative to shipment.

### SN1 Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
SN102	382	<b>Number of Units Shipped</b>	M R 1/10
		Line quantity shipped	
SN103	355	<b>Unit Measure</b>	M ID 2/2
		"CA"	

**Segment: PO4 – Item Physical Details**

**Usage:** Mandatory

**Max** 1 per HL Item Loop

**Use/Loop:**

**Purpose:** To specify the physical quantities, packaging, weights, and dimensions relating to the item

**PO4 Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
PO401	356	<b>Pack</b>	M NO 1/6
		Pack, or number of retail units in a shipping case; must divide evenly into storage case retail units	

**Segment: PID – Product / Item Description**

**Usage:** Mandatory

**Max** 1 per HL Item Loop

**Use/Loop:**

**Purpose:** To describe a product or process in coded or free-form format.

**PID Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
PID01	349	<b>Item Description</b>	M ID 1/1
		"F" for Free Form	
PID05	352	<b>Unit Measure</b>	M AN 1/80
		Description of the product	

<p><b>Segment:</b> MEA - Measurements</p> <p><b>Usage:</b> Mandatory</p> <p><b>Max</b> 1 per HL Item Loop</p> <p><b>Use/Loop:</b></p> <p><b>Purpose:</b> To specify physical measurements or counts, including dimensions, tolerances, variances, and weights</p>
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**MEA Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
MEA02	738	<b>Measurement Qualifier</b>	M ID 1/3
		"G" for Gross	
MEA03	739	<b>Measurement Value</b>	M R 1/20
		Gross Weight of the product on the pallet (in Pounds)	

<p><b>Segment:</b> MAN – Marks and Numbers</p> <p><b>Usage:</b> Optional</p> <p><b>Max</b> 1 per HL Item Loop</p> <p><b>Use/Loop:</b></p> <p><b>Purpose:</b> To indicate identifying marks and numbers for shipping containers</p>
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## MAN Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
MAN01	88	<b>Marks and Numbers Qualifier</b>	O AN 1/2
		"GM"	
MAN02	87	<b>Markes and Numbers</b>	O AN 1/18
		Serial Shipping Container Code	

**Segment: DTM – Date / Time Reference**

**Usage:** Optional  
**Max** 1 per HL Item Loop

**Use/Loop:**

**Purpose:** To specify pertinent dates and times.

## DTM Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
DTM01	374	<b>Date / Time Reference</b>	O ID 3/3
		"009 for Process Date	
DTM02	373	<b>Date</b>	O DT 8/8
		Date ASN was created	

## Summary Level

**Segment: CTT – Transaction Totals**

**Usage:** Mandatory  
**Max** 1

**Use/Loop:**

**Purpose:** To transmit a hash total for a specific element in the transaction set.

### CTT Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
CTT01	354	<b>Number of Line Items</b>	M NO 1/6
		Total number of HL Line item segments	

<p><b>Segment: SE – Transaction Set Trailer</b></p> <p><b>Usage:</b> Mandatory  <b>Max</b> 1</p> <p><b>Use/Loop:</b></p> <p><b>Purpose:</b> To indicate the end of the transaction set and provide the count of the transmitted segments, including the beginning (ST) and the ending (SE) segments</p>
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### SE Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
SE01	96	<b>Number of Included segments</b>	M NO 1/6
SN02	329	<b>Transaction Set Control Number</b>	M AN 4/9
		Must match the Transaction Set Control Number contained in the ST02 segment	

<p><b>Segment: GE – Functional Group Trailer</b></p> <p><b>Usage:</b> Mandatory  <b>Max</b> 1</p> <p><b>Use/Loop:</b></p> <p><b>Purpose:</b> To indicate the end of a functional group and to provide control information</p>
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### GE Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
GE01	97	<b>Number of Included Sets</b>	M NO 1/6
GE02	28	<b>Data Interchange Control Number</b>	M NO 1/9
		Must match the data Interchange Control Number contained in the GS06 segment	

<p><b>Segment: IEA – Interchange Control Trailer</b></p> <p><b>Usage:</b> Mandatory  <b>Max</b> 1  <b>Use/Loop:</b>  <b>Purpose:</b> To define the end of an interchange of one or more functional groups and interchange related control segments</p>
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### IEA Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
IEA01	I16	<b>Number of Included Groups</b>	M NO 1/6
IEA02	I12	<b>Interchange Control Number</b>	M NO 9/9
		Must be identical to the Interchange Control # contained in ISA13	

### Sample ASN / 856

```

ISA*00*      *00*      *08*9251210008  *01*007919277A
*060322*1022*U*00401*000000868*0*P*~>~
GS*SH*9251210008*007919277A*20060322*1022*2*X*004010~
ST*856*000000001~
BSN*00*723687202*20060322*1022*0004~
DTM*067*20060324~
HL*1**S~
TD5*B*2*EXLA*M*ESTES EXPRESS~
TD3*TL**NONE~
REF*BM*0388852896~
N1*VN*ROSS PRODUCTS DIVISION, ABBOTT LABS*9*9251210008~
HL*2*1*O~
PRF*4933***20060310~

```



HL\*3\*2\*I~  
 LIN\*1\*UA\*007007400336\*LT\*REFER\_TO\_B\*CH\*United States~  
 SN1\*\*34\*CA~  
 PO4\*272~  
 PID\*F\*\*\*\*PEDIALYTE ORAL ELECTROLYTE MAINTENANCE SOLUTION (UNFLAVORED)~  
 MEA\*\*G\*680~  
 DTM\*009\*20060322~  
 HL\*4\*2\*I~  
 LIN\*2\*UA\*007007455959\*LT\*REFER\_TO\_B\*CH\*United States~  
 SN1\*\*11\*CA~  
 PO4\*66~  
 PID\*F\*\*\*\*SIMILAC ADVANCE INFANT FORMULA WITH IRON LCP'S POWDER 25.7-O~  
 MEA\*\*G\*132~  
 DTM\*009\*20060322~  
 HL\*5\*2\*I~  
 LIN\*3\*UA\*007007451476\*LT\*REFER\_TO\_B\*CH\*United States~  
 SN1\*\*20\*CA~  
 PO4\*120~  
 PID\*F\*\*\*\*SIMILAC LOW-IRON RTF 32-FL-OZ BOTTLE~  
 MEA\*\*G\*280~  
 DTM\*009\*20060322~  
 HL\*6\*2\*I~  
 LIN\*4\*UA\*007007400365\*LT\*REFER\_TO\_B\*CH\*United States~  
 SN1\*\*34\*CA~  
 PO4\*272~  
 PID\*F\*\*\*\*PEDIALYTE ORAL ELECTROLYTE MAINTENANCE SOLUTION (FRUIT FLAVO~  
 MEA\*\*G\*680~  
 DTM\*009\*20060322~  
 HL\*7\*2\*I~  
 LIN\*5\*UA\*007007455903\*LT\*REFER\_TO\_B\*CH\*United States~  
 SN1\*\*30\*CA~  
 PO4\*720~  
 PID\*F\*\*\*\*GLUCERNA SHAKE FOR PEOPLE WITH DIABETES COMPLETE BALANCED N~  
 MEA\*\*G\*495~  
 DTM\*009\*20060322~  
 HL\*8\*2\*I~  
 LIN\*6\*UA\*007007457609\*LT\*REFER\_TO\_B\*CH\*United States~  
 SN1\*\*34\*CA~  
 PO4\*816~  
 PID\*F\*\*\*\*GLUCERNA SNACK BAR FOR PEOPLE WITH DIABETES COMPLETE BALANC~  
 MEA\*\*G\*102~  
 DTM\*009\*20060322~  
 HL\*9\*2\*I~  
 LIN\*7\*UA\*007007457642\*LT\*REFER\_TO\_B\*CH\*United States~  
 SN1\*\*10\*CA~  
 PO4\*240~  
 PID\*F\*\*\*\*GLUCERNA WEIGHT LOSS SHAKE FOR PEOPLE WITH DIABETES COMPLETE~  
 MEA\*\*G\*230~  
 DTM\*009\*20060322~  
 HL\*10\*2\*I~  
 LIN\*8\*UA\*007007457969\*LT\*REFER\_TO\_B\*CH\*United States~  
 SN1\*\*34\*CA~  
 PO4\*816~  
 PID\*F\*\*\*\*GLUCERNA SNACK BAR FOR PEOPLE WITH DIABETES COMPLETE BALANC~  
 MEA\*\*G\*102~  
 DTM\*009\*20060322~  
 HL\*11\*2\*I~  
 LIN\*9\*UA\*007007454981\*LT\*REFER\_TO\_B\*CH\*United States~  
 SN1\*\*10\*CA~  
 PO4\*320~  
 PID\*F\*\*\*\*PEDIALYTE SINGLES ORAL ELECTROLYTE MAINTENANCE SOLUTION (CH~  
 MEA\*\*G\*195~  
 DTM\*009\*20060322~  
 HL\*12\*2\*I~  
 LIN\*10\*UA\*007007400240\*LT\*REFER\_TO\_B\*CH\*United States~  
 SN1\*\*34\*CA~  
 PO4\*272~  
 PID\*F\*\*\*\*PEDIALYTE ORAL ELECTROLYTE MAINTENANCE SOLUTION (GRAPE FLAVO~

MEA\*\*G\*680~  
DTM\*009\*20060322~  
HL\*13\*2\*I~  
LIN\*11\*UA\*007007457425\*LT\*REFER\_TO\_B\*CH\*United States~  
SN1\*\*20\*CA~  
PO4\*640~  
PID\*F\*\*\*PEDIAALYTE SINGLES ORAL ELECTROLYTE MAINTENANCE SOLUTION (APP~  
MEA\*\*G\*390~  
DTM\*009\*20060322~  
HL\*14\*2\*I~  
LIN\*12\*UA\*007007400245\*LT\*REFER\_TO\_B\*CH\*United States~  
SN1\*\*12\*CA~  
PO4\*1536~  
PID\*F\*\*\*PEDIAALYTE FREEZER POPS ORAL ELECTROLYTE MAINTENANCE SOLUTION~  
MEA\*\*G\*258~  
DTM\*009\*20060322~  
HL\*15\*2\*I~  
LIN\*13\*UA\*007007454554\*LT\*REFER\_TO\_B\*CH\*United States~  
SN1\*\*30\*CA~  
PO4\*720~  
PID\*F\*\*\*GLUCERNA SHAKE FOR PEOPLE WITH DIABETES COMPLETE BALANCED N~  
MEA\*\*G\*495~  
DTM\*009\*20060322~  
HL\*16\*2\*I~  
LIN\*14\*UA\*007007454324\*LT\*REFER\_TO\_B\*CH\*United States~  
SN1\*\*40\*CA~  
PO4\*960~  
PID\*F\*\*\*GLUCERNA SHAKE FOR PEOPLE WITH DIABETES COMPLETE BALANCED N~  
MEA\*\*G\*660~  
DTM\*009\*20060322~  
CTT\*16~  
SE\*109\*000000001~  
GE\*1\*2~  
IEA\*1\*000000868~