

UNITED NATIONS / DOT PERFORMANCE CERTIFICATION



31HH1 PERIODIC DESIGN REQUALIFICATION

Poly IBC UC 2.0 1000 Liter All Plastic Composite Euro IBC with AS QC II & III Dip Tubes and KTJ Vented Bung Closure

TEST REPORT #: 25-MN40057



* Insert the month and year (last two digits) of manufacture

TESTING PERFORMED FOR:

RIKUTEC AMERICA, INC.

2510-B West Whitner St. Anderson, SC 29624

ATTN: Alex Pytka

TESTING PERFORMED BY:

TEN-E PACKAGING SERVICES, INC.

1666 County Road 74 Newport, MN 55055 Phone: 651-459-0671

Fax: 651-459-1430

June 23, 2025



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NOTES AND COMMENTS

Rikutec America, Inc. has reports on file with alternate gaskets per their competent authority approval number CA2020110503.



SECTION I: CERTIFICATION

PERIODIC DESIGN REQUALIFICATION of the Rikutec America, Inc. Poly IBC UC 2.0 1000 Liter All Plastic Composite Euro IBC with AS QC II & III Dip Tubes and KTJ Vented Bung Closure

TEN-E Packaging Services, Inc. is a current DOT UN Third-Party Certification Agency under §107.403 and certifies that the **Rikutec America, Inc.** packaging referenced above has passed the standards of the DEPARTMENT OF TRANSPORTATION'S TITLE 49 CFR; Performance Oriented Packaging Standards, Section 178. This package is also certified under IMDG and the UN Recommendations on the Transport of Dangerous Goods. It is the responsibility of the end user to determine authorization for use under these regulations. The use of other packaging methods or components other than those documented in this report may render this certification invalid.

SUMMARY OF PERFORMANCE TESTS					
UN / DOT	49 CFR	TEST	TEST	TEST	TEST
TEST	REFERENCE	LEVEL	CONTENTS	COMPLETED	RESULTS
Vibration	178.819	3.3 Hz – 1 Hour	Water	May 29, 2025	PASS
Bottom Lift	178.811	2,556.1 Kg	Water	May 29, 2025	PASS
Leakproofness	178.813	20 kPa – 10 Minutes	Empty	June 2, 2025	PASS
Hydrostatic	178.814	100 kPa – 10 Minutes	Water	June 2, 2025	PASS
Drop	178.810	1.9 m	Methanol/Water	June 23, 2025	PASS
TEST REPORT N	IUMBERS:		25-MN40057, 24-MN40	069	
UN MARKING: (CFR 49 – 178.703) 31HH1 / Y / * / USA / +AA11220 / 0 / 2010		2010			
PACKAGING IDE	NTIFICATION CO	DDE:	31HH1 (178.707 Compo		
PERFORMANCE	STANDARD:		Y (Packaging meets Packing Group II and III tests)		
MONTH AND YEAR OF MANUFACTURE:		*			
STATE AUTHORIZING ALLOCATION OF THE MARK: USA			_		
PACKAGING CERTIFICATION AGENCY:		(+AA) TEN-E Packaging Services, Inc. (Newport, MN CAA #2006030022)			
THIRD PARTY PACKAGING IDENTIFICATION:		+AA11220	•		
STACKING TEST LOAD:		0 Kg (not intended to be	stacked in transportati	ion)	
MAXIMUM PERMISSIBLE GROSS MASS:		2,010 Kg (4,431 Lbs.)	•		
PERIODIC DESIG	ON REQUALIFICA	TION DATE:	June 23, 2026		
CLIENT COMPET	TENT AUTHORIT	Y APPROVAL:	CA2020110503		
ADDITIONAL REQUIRED RIGID PLASTIC & COMPOSITE IBC MARKINGS (CFR 49 – 178.703(b)):					
RATED CAPACIT	ΓΥ AT 20°C (liters	i):	1000 Liters		
TARE MASS (Kg):		Insert Individual IBC Tare Mass			
GAUGE TEST PE			100 kPa		
	_EAKPROOFNES	S TEST:	Insert Month & Year of Last Leakproofness Test		st
DATE OF LAST I	DATE OF LAST INSPECTION:			Last Inspection	

ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY THAT THE PACKAGING TESTED IS MERCHANTABLE OR FIT FOR A PARTICULAR PURPOSE, ARE DISCLAIMED. In no event shall TEN-E Packaging Services, Inc. liability exceed the total amount paid by **Rikutec America**, **Inc.** for services rendered. In the event of future changes to the above referenced test standards, it is the responsibility of **Rikutec America**, **Inc.** to determine whether additional testing or updating of past testing is necessary to verify that the packaging we have tested remains in compliance with those standards.

MANUFACTURER:

Rikutec America, Inc. 2510-B W. Whitner St. Anderson, SC 29624

Oscar Mejia Technician TEN-E Packaging Services, Inc. 1666 County Road 74 Newport, MN 55055 Tyler Kinderman
Project Manager
TEN-E Packaging Services, Inc.
1666 County Road 74
Newport, MN 55055

Torque Wrench #740



SECTIONS II & V: PACKAGING DESCRIPTIONS / COMPONENT DRAWINGS

Poly IBC UC 2.0 1000 Liter All Plastic Composite Euro IBC				
with AS QC II & III D	ip Tubes and KTJ	Vented Bung	Closure	
ASSEMBLY DRAWING	TEST LEVELS			
	Certification Type:		Periodic Desi	gn Requalification
	Packaging Code De	esignation:	31HH1	
* *	Packing Group:		II	
	Specific Gravity:		1.9	
	Test Pressure:		100 kPa	
	TE	ST SAMPLE P (Refer to Se	REPARATION ection IV)	
	Overall IBC Tare Wo	-	98.0 Kg	217 Lbs.
	Net Fill Weight (98%	6 Maximum Ca	pacity):	
	Water	(Sample #1)	1,006.5 Kg	2,219.0 Lbs.
	Methanol/Water	(Sample #2)	971.2 Kg	2,141.2 Lbs.
	IBC Test Weight:			
	Water	(Sample #1)	1,104.5 Kg	2,434.9 Lbs.
	Methanol/Water	(Sample #2)	1,069.2 Kg	2,357.1 Lbs.
	Maximum Permissik Mass:	ole Gross	2,010.3 Kg	4,431.9 Lbs.
	CLOSING METHODS			
	AS Quick Connect	II Dip Tube:		
	Application Torqu	ıe:	25 Ft-Lbs.	
	Equipment:		Torque Wrend	ch #740
	AS Quick Connect	III Dip Tube:		
	Application Torqu	ıe:	25 Ft-Lbs.	
	Equipment:		Torque Wrend	ch #740
(2) AS Quick Connect Shipping Caps:				
	Application Torque:		5 Ft-Lbs.	
4	Equipment:		Torque Wrend	ch #740
	2" KTJ Vented Bur	_		
	Application Torqu	ıe:	25 Ft-Lbs.	
			T 141	

Equipment:



COMPONENT INFORMATION

	CLOSURE (21310201)	DRAWING
Manufacturer: Kunststo	fftechnik Jaeger, Braunschweig, Germany	
Description:	2" Vented Buttress Threaded Plug	
Quantity:	1	
Material:	Polypropylene, Natural with Microporous PTFE Vent	
Tare Weight:	33.702 Grams	
Overall Dimensions:		
Height	34.5 mm (1.358")	
Diameter	78.7 mm (3.102")	
Thread Dimensions:		
Major Diameter:	61.9 mm (2.437")	
Minor Diameter:	54.9 mm (2.162")	
Markings (QC Audit):	1	
POE PROFILE GASKET	(22010202):	
Description:	Natural Polyolefin Profile Gasket	
Tare Weight:	2.911 Grams	
Thickness:	3.8 mm (0.15")	
Diameter:	72.5 mm (2.85")	

	CLAMPING NUT (2.0)	DRAWING
Manufacturer: Rikutec	America, Inc., Anderson, SC	
Description:	Outer Buttress Threaded Bulkhead Fitting	
Quantity:	used on 2.0 IBC designs 3 (1 on each opening)	
Material:	Polyethylene, Blue, and Black Rubber	
Tare Weight:	60 Grams	
Overall Dimensions:		
Height	0.758"	
• Diameter	5.905"	
Thread Dimensions:		
• T	3.446"	
• E	3.245"	
Markings (QC Audit):	RIKUTEC 5/24 SPI "2" Recycling Symbol	



CLOS	URE (DT-62PE-XXX-1040-TF)	DRAWING
Manufacturer: AS Stron	nungstechnik, Ostfildern, Germany	
Description:	1-1/2" QC II Threaded Sealing Cap	
Quantity:	1	
Material:	Polyethylene, Natural	
Tare Weight:	17.033 Grams	
Overall Dimensions:		
Height	25.1 mm (0.99")	
Diameter	75.7 mm (2.98")	
Thread Dimensions:		
• T	41.2 mm (1.62")	
• E	38.6 mm (1.52")	
Markingo (OC Audit).	www.qc-sytem.com AS	
Markings (QC Audit):	patented U.S. Pat. No. 6,357,494	
PE GASKET		
Description:	Polyethylene, Natural Gasket	
Tare Weight:	0.597 Grams	
Thickness:	2.8 mm (0.11")	
Diameter:	35.6 mm (1.40")	4000
DIP TU	JBE (DT-62PE-XXX-1040-TF)	
Manufacturer: AS Stron	nungstechnik, Ostfildern, Germany	3
Description:	2" QC II Buttress Threaded Insert with Dip Tube	
Description.	(no bellow)	
Quantity:	1	
Material:	Polyethylene, Natural	N
Tare Weight:	156 Grams	
Overall Dimensions:		
Height	1,047.7 mm (41-1/4") (with Dip Tube)	
Insert Height	34.0 mm (1.34")	
Diameter	79.0 mm (3.11")	
Thread Dimensions (2"		
Major Diameter	62.0 mm (2.44")	
Minor Diameter	54.6 mm (2.15")	
•	//2" Shipping Cap - Side):	
Major Diameter	42.7 mm (1.68")	
Minor Diameter	40.4 mm (1.59")	
Thread Dimensions (3/4	1	
Major Diameter	26.6 mm (1.05")	
Minor Diameter	24.0 mm (0.94")	
Markings (QC Audit):	1701D503 1B2 3A4 5C6	
POE PROFILE GASKET	(K12993-811)	
Description:	S62 Seal Ring, Natural Polyolefin Profile Gasket	
Tare Weight:	2.852 Grams	
Thickness:	3.8 mm (0.15")	
Diameter:	72.4 mm (2.85")	



CLOSU	DRAWING	
Manufacturer: AS Stromungstechnik, Ostfildern, Germany		
Description:	2" QC III Threaded Sealing Cap	
Quantity:	1	
Material:	Polypropylene, Natural	
Tare Weight:	18.290 Grams	
Overall Dimensions:		
Height	26.14 mm (1.029")	
Diameter	77.26 mm (3.042")	
Thread Dimensions:		
• T	52.80 mm (2.079")	
• E	49.24 mm (1.939")	
Markings (OC Audit)	Patented U.S. Pat. No. 6,357,494	
Markings (QC Audit):	www.qc-system.com 11/18	
O-RING		
Description:	FEP Encapsulated O-Ring	
Tare Weight:	2.348 Grams	
Thickness:	3.48 mm (0.137")	
Diameter:	48.03 mm (1.891")	
DIP TU	BE (DT3-62PP-XXX-0900-TF)	
Manufacturer: AS Stro	mungstechnik, Ostfildern, Germany	
Description:	2" QC III Buttress Threaded Insert with Dip Tube and Bottom Flexible Bellow	
Quantity:	1	
Material:	Polypropylene, Natural	
Tare Weight:	119 Grams	
Overall Dimensions:		
Height	908.05 mm (35-3/4") (with Dip Tube)	
 Insert Height 	32.56 mm (1.282")	
 Diameter 	80.01 mm (3.150")	
Thread Dimensions (2'	' Container - Side):	
Major Diameter	61.75 mm (2.431")	
Minor Diameter	54.79 mm (2.157")	
Thread Dimensions (1-	1/2" Shipping Cap - Side):	
Major Diameter	53.99 mm (2.126")	
Minor Diameter	50.47 mm (1.987")	
Markings (QC Audit):	244FOXY1	
POE PROFILE GASKET	Т (К12993-811)	
Description:	S62 Seal Ring, Natural Polyolefin Profile Gasket	
Tare Weight:	2.485 Grams	
Thickness:	3.8 mm (0.15")	
Diameter:	72.5 mm (2.85")	



PLASTIC INNE	DRAWING	
Manufacturer: Rikutec America, Inc., Anderson, SC		
Description:	Rikutec 2.0 1000 Liter Rigid Inner Receptacle with (3) 2" Buttress Threaded Top Fill Port Openings	
Material:	High Density Polyethylene, Natural	
Resin Type:	Two Layer Wall Design: Inside: Lupolen 4261 A Q149 Outside: Lupolen 4261 AG UV 60005	
Method of Manufacture:	Blow Molded	
Tare Weight:	50.71 Lbs. (23.0 Kg)	
Capacity:		
Rated	1,000 Liter	
• Overflow	271.3 Gallons (1,027.0 Liters)	
Overall Dimensions:		
• Length	1,155.7 mm (45.50")	
• Width	962.5 mm (37.88")	
Height	1,044.7 mm (41.13")	
2" Fill Port Opening Threa	d Dimensions	
Major Diameter	64.8 mm (2.55")	
Minor Diameter	57.1 mm (2.25")	
Dip Tube Opening Thread	Dimensions	
Major Diameter	64.8 mm (2.55")	
Minor Diameter	57.4 mm (2.26")	
Wall Thickness (Min.):	2.387 mm (0.09")	
Markings (QC Audit):	u 31HH1 / Y / 0123 / D n /BAM 6808-RIKUTEC RIKUTEC Made In Germany 22/1 238499 MD7 SPI "2" PE-HD Recycling Symbol	



CO	VER – POLY BOX (2.0)	DRAWING
Manufacturer: Rikutec Ar		
Description:	Top HUVEX with (3) Access Holes	
-	Secured to Tote with (8) Plastic Pins	
Quantity:	1	
Material:	High Density Polyethylene, Natural	
Tare Weight:	10.5 Kg (23.15 Lbs.)	
Overall Dimensions:		
• Length	1,212.9 mm (47.75")	
Width	1,003.3 mm (39.50")	
Height	962.2 mm (37.88)	
Small Hole Diameter	142.0 mm (5.63")	
Large Hole Diameter	177.8 mm (7.00")	
Markings (QC Audit):	u 31HH1 / Y / 0123 / D / BAM /6808 RIKUTEC/ 3314 / 2070 / TR6F142 POLY-IBC UC 1000 Max Capacity 1060 Liter / Tare 96kg Gauge of Pressure: 100 kPa Hersteller: RIKUTEC Made in Germany SPI "2" PE HD Recycling Symbol	
	RO BASE – POLY BOX	
	merica, Inc., Anderson, SC	
Description:	4-Way Entry Plastic Outer Tote	
Quantity:	1	
Material:	High Density Polyethylene, Blue and Black	
Tare Weight:	62.5 Kg (137.8 Lbs.) (with Bottom Frame)	
Overall Dimensions:		
Length		
Width	1,193.8 mm (47.00")	4
- 111401	990.6 mm (39.00")	+
Height		+
	990.6 mm (39.00") 1,168.4 mm (46.00")	4
Height	990.6 mm (39.00")	
Height EURO PALLET:	990.6 mm (39.00") 1,168.4 mm (46.00") Molded Pallet Feet and Bottom Detachable Plastic Euro Pallet with (8) Plastic Screws	
Height EURO PALLET: Description:	990.6 mm (39.00") 1,168.4 mm (46.00") Molded Pallet Feet and Bottom Detachable Plastic Euro Pallet with (8) Plastic Screws	



SECTION III: TEST PROCEDURES AND RESULTS

VIBRATION TEST

TEST INFORMATION		TEST CRITERIA
TEST CONTENTS:	Water	
SAMPLE PREPARATION:	Refer to Section II	
CONDITIONING:	Ambient	
TABLE DISPLACEMENT:	1"	An IBC passes the vibration test if there is no rupture or leakage.
TEST FREQUENCY:	3.3 Hz	(§178.819)
TEST DURATION:	1 Hour	
TEST EQUIPMENT:	Vertical motion using L.A.B. 10000 Transportation Simulator	

VIBRATION TEST SET-UP AND RESULTS (SAMPLE #1)			
	Results	Comments/Observations	
	PASS	The IBC met the criteria for passing the test. No leakage or damage.	



BOTTOM LIFT TEST

TEST INFORMATION		TEST CRITERIA
TEST CONTENTS:	Water	
SAMPLE PREPARATION:	Refer to Section II	
CONDITIONING:	Ambient	
NUMBER OF LIFTS:	8 (Four-Way Entry with 2 Lifts per Direction of Entry)	For all IBC design types designed to be lifted from the base, there may be no
FORK TINE PENETRATION:	Entry 1 & 2: 36" Entry 3 & 4: 30"	permanent deformation which renders the IBC unsafe for transportation and no loss of contents.
COMBINED GROSS MASS LIFTED:	2,556.1 Kg (5,635.2 Lbs.) (Refer to Section IV)	(§178.811)
TEST EQUIPMENT:	Fork Truck Dead Load Weights	

BOTTOM LIFT TEST SET-UP AND RESULTS (SAMPLE #1)									
Direction of Entry #1	Direction of Entry #2	Direction of Entry #3	Direction of Entry #4						
Res	ults	Comments/C	Observations						
Lift #1: PASS	Lift #5: PASS								
Lift #2: PASS Lift #6: PASS		The IBC met the criteria for passing the test							
Lift #3: PASS	Lift #7: PASS	No leakage or damage.							
Lift #4: PASS	Lift #8: PASS								



LEAKPROOFNESS TEST

TEST INFO	TEST CRITERIA	
TEST CONTENTS:	Empty	
SAMPLE PREPARATION:	Refer to Section II	For all IBC design types intended to
CONDITIONING:	Ambient	contain solids that are loaded or
TEST PRESSURE:	20 kPa	discharged under pressure or intended to contain liquids, there
TEST DURATION:	10 Minutes	may be no leakage of air from the
AREA OF PRESSURIZATION:	Through Top Head	IBC.
TEST EQUIPMENT:	Regulated Air Source #: 2	(§178.813)
	Pressure Gauge #: 615 & 641	

LEAKPROOFN	LEAKPROOFNESS TEST SET-UP AND RESULTS (SAMPLE #1)							
Set-Up Photo	Leakproofness Photo	Leakproofness Photo						
Town 17 (a) To 10 (a) Town 17		CASHCROFT ENTER TARE TREE TREE TREE TREE TREE TREE TREE						
Results	Comments/C	Observations						
PASS	The IBC met the criteria for passing the test. No leakage.							



HYDROSTATIC PRESSURE TEST

TEST INFO	TEST INFORMATION				
TEST CONTENTS:	Water				
WATER TEMPERATURE:	19.6°C (67.3°F)				
FILL CAPACITY:	Maximum Capacity	 For rigid plastic and composite IBC design types intended to contain 			
SAMPLE PREPARATION:	Refer to Section II	solids loaded or discharged under			
CONDITIONING:	Ambient	pressure or intended to contain liquids, there may be no leakage and			
TEST PRESSURE:	100 kPa	no permanent deformation which			
TEST DURATION:	10 Minutes	renders the IBC unsafe for			
AREA OF PRESSURIZATION:	Through Top Head	transportation. (§178.814)			
TEST EQUIPMENT:	Regulated Water Source #: 2 Pressure Gauge #: 641				

HYDROSTATIC PRESSURE TEST SET-UP AND RESULTS (SAMPLE #1) Set-Up Photo Hydrostatic Pressure Photo Hydrostatic Pressure Photo Fesults Comments/Observations The IBC met the criteria for passing the test. No leakage.



DROP TEST

TEST	TEST INFORMATION						
TEST CONTENTS:	Methanol/Water Solution (0.966 SG)	For all IBC design types, there may be no damage which renders					
SAMPLE PREPARATION:	Refer to Section II	the IBC unsafe to be transported for salvage or for disposable, and					
CONDITIONING:	-18°C (0°F) Chamber #202	no loss of contents.					
TEST CONTENTS TEMP.:	-19.1°C (-2.4°F)	The IBC shall be capable of being lifted by an appropriate means					
DROP HEIGHT:	1.9 Meters (75") (Refer to Section IV)	until clear of the floor for five minutes. • A slight discharge from closures					
DROP ORIENTATION:	Most Vulnerable Part of Base	upon impact is not considered a failure provided that no further					
TEST EQUIPMENT:	Quick Release Hook Mechanism 5 Ton Overhead Hoist	leakage occurs. (§178.810)					

DROP TI	DROP TEST SET-UP AND RESULTS (SAMPLE #2)						
Set-Up Photo	Post Drop Photo	Post Drop Photo					
	A STATE OF THE PARTY OF THE PAR						
Results	Comments/C	Observations					
PASS	The IBC met the criteria for passing the test. No leakage. Clamping nut on 2 openings cracked						



REGULATORY AND INDUSTRY STANDARD REFERENCES

REGULATORY REFERENCES						
	49 CFR①	UN@	IMDG3			
TEST	October 2024 Edition	23 rd Edition	2024 Edition			
Vibration:	178.819	6.5.6.13	6.5.6.13			
Bottom Lift:	178.811	6.5.6.4	6.5.6.4			
Leakproofness:	178.813	6.5.6.7	6.5.6.7			
Hydrostatic Pressure:	178.814	6.5.6.8	6.5.6.8			
Drop:	178.810	6.5.6.9	6.5.6.9			

- ① United States Department of Transportation Code of Federal Regulations (CFR) Title 49, Transportation, Parts 100-185
- ② The United Nations Recommendations on the Transport of Dangerous Goods Model Regulations (UN Orange Book)
- ③ International Maritime Dangerous Goods Code (IMDG)

	INDUSTRY STANDARD REFERENCES						
Vibration	ASTM@ D7387:	Standard Test Method for Vibration Testing of IBCs Used for Shipping Liquid Hazardous Materials (Dangerous Good)					
Vibration:	ISO© 2247:	Packaging – Complete, Filled Transport Packages – Vibration Test at Fixed Low Frequency					
		Standard Guide for Conducting Internal Hydrostatic Pressure Tests on United Nations (UN) IBC Design Types					
	ASTM@ D5276:	Standard Test Method for Drop Test of Loaded Containers by Free Fall					
Drop:	ASTM@ D7790:	Standard Test Method for the Preparation of Plastic Packagings Containing Liquids for United Nations (UN) Drop Testing					
	ISO© 2248:	Packaging – Complete, Filled Transport Packages – Vertical Impact Test by Dropping					

- American Society for Testing and Materials (ASTM)
- (ISO) International Organization for Standardization (ISO)

EQUIPMENT

All inspection, measuring and test equipment that can affect product quality is calibrated and adjusted at prescribed intervals, or prior to use, and is traceable to NIST, using ANSI Z540 as an overall guide for calibration certification.



SECTION IV MATHEMATICAL CALCULATIONS

INFORMATION USED FOR CALCULATIONS							
Overall IBC Tare Weight (IBCTW)-Sample 1:	98.0 Kg	216.1 Lbs.					
Overall IBC Tare Weight (IBCTW)-Sample 2:	98.0 Kg	216.1 Lbs.					
Overflow Capacity (OFC):							
Water	1,027.0 Kg	2,264.1 Lbs.					
Methanol/Water	991.0 Kg	2,184.8 Lbs.					
Actual Load Applied for Bottom Lift (BLALA):	1,451.5 Kg	3,200.0 Lbs.					
Packing Group	II						
Product Specific Gravity (PSG):	1.90	Min Wt To Be Applied					
Packing Group Multiplication Factor (MF):	1.00	3,104.4 Lbs. (Btm Lift)					
# of IBC Stacked During Transportation (#IBC):	0						

	98% OF OVERFLOW							
	Overflow Capacity (OFC) x 98%							
_	OFC	_ x _	98%					
	1,027.0	х	98% =	1,006.5	Kg	2,219.0	Lbs. Water	Sample #1
	991.0	Х	98% =	971.2	Kg	2,141.2	Lbs. Methanol/Water	Sample #2

IBC TEST WEIGHT (IBCW)							
Overall IBC Tare Weight (IBCTW) + 98% Overflow Capacity (OFC)							
IBCTW	+ .	98% OFC =					
98.0	+	1,006.5	1,104.5	Kg	2,434.9	Lbs. Water	Sample #1
98.0	+	971.2	1,069.2	Kg	2,357.1	Lbs. Methanol/Water	Sample #2

	AUTHORIZED IBC GROSS MASS (AIBCGM)						
	Overall IBC Tare Weight (IBCTW) + (Product SG (PSG) x 98% Overflow (OFC))						
	IBCTW	+	(PSG	х	98% OFC)		
-	98.0	_ + _	1.90	x	1,006.5		
			2,010.3	Kg	4,431.9	Lbs.	



BOTTOM LIFT CALCULATIONS											
The IBC must be loaded to 1.25 times the combined maximum permissible gross mass with load being evenly											
distributed											
Minimum Required Load											
Authorized IBC Gross Mass x 1.25											
AIBCGM	x	1.25	=	Minimum Re	equired Load						
2,010.3	х	1.25	=	2,513.0	Kg	5,540.2	Lbs.				
Combined Gross Mass Lifted											
Actual Load Applied (ALA) + IBC Test Weight (IBCW)											
BCW	_ + _	ALA	=	Total Load Lifted							
1,104.5	+	1,451.5	=	2,556.1	Kg	5,635.2	Lbs.				

DROP HEIGHT Calculation For Product Specific Gravities Exceeding 1.2									
 Product Specific Gravity (PSG) x Packing Group Multiplication Factor (MF) PSG x MF Packing Group: II									
1.90	x	1.00		Required Drop Height Actual Drop Heig					
		1.90	Meter	74.8 Inches	75 Inches				