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Application Data Sheet for:

Microwave Moisture LB456

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Customer Information

Company Name	<input type="text"/>	Phone Number	<input type="text"/>
Contact Name	<input type="text"/>	Fax Number	<input type="text"/>
Street or P.O. Box	<input type="text"/>		
City	<input type="text"/>	Email Address	<input type="text"/>
State /Province	<input type="text"/>		
Zip Code	<input type="text"/>		
Country	<input type="text"/>		
Project Name <input type="text"/>		Date <input type="text"/>	

Process Specifications

Product Description:	<input type="text"/>		
Product Chemistry:	<input type="text"/>		
Bulk Density (Nominal):	<input type="text"/>	Particle Size:	<input type="text"/> mm / In
	MIN	Nominal	MAX
Moisture Range %:	<input type="text"/>	<input type="text"/>	<input type="text"/>
Requested Accuracy:	<input type="text"/>		Conductivity: <input type="text"/>
pH:	<input type="text"/>		Dielectric Constant: <input type="text"/>
Normal Product Temperature:	<input type="text"/> C/F	Ambient Temperature:	<input type="text"/> C/F

Physical Arrangement

If Belt (pick one):	Flat Chain Screw Other	<i>Please supply a sketch or drawings</i>
Belt Material:	<input type="text"/>	
Belt Incline:	Yes or No	If Yes what Angle: <input type="text"/>
	MIN	Normal
Belt Speed:	<input type="text"/>	<input type="text"/>
	MIN	Normal
Height of Material on Belt:	<input type="text"/>	<input type="text"/>
	MIN	Normal
Mass Flow Rate:	<input type="text"/>	<input type="text"/>
	MIN	Normal
Under normal operations does the belt ever go empty?		YES NO

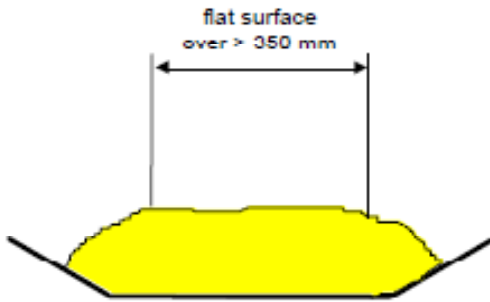
If Chute:	<i>Please supply a sketch or drawings</i>
If Pipe:	<i>Please supply a sketch or drawings</i>

***** Please view second page of the data sheet.*****

Calibration Method

Laboratory Method:	<input type="text"/>	Accuracy	<input type="text"/> %
Purpose of System:	<input type="text"/>		

Preferred Measurement

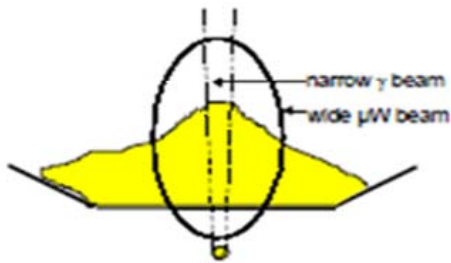


Homogeneous product in measuring path, flattened over at least twice the width of the beam. No gaps or slots in the product.

A heavy, abrasion resistant, hard steel plate is typically used to flatten the top of the product.

Homogeneous material ensures good measurement quality and representative sampling.

The belt has to be made of non conductive material, without repaired sections, and without steel reinforcement (see special recommendations for using steel-reinforced belts).

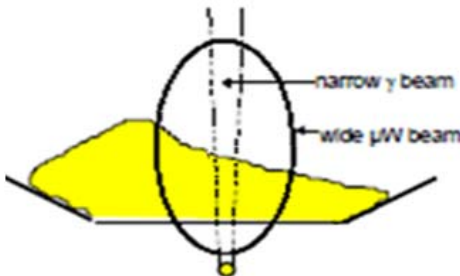


Possible Issue:

To much of a peak of product on the belt can cause the microwave (wide) and the gamma ray (narrow) beams to measure different thicknesses.

Possible Solution:

Should be able to eliminate possible errors by making process changes.

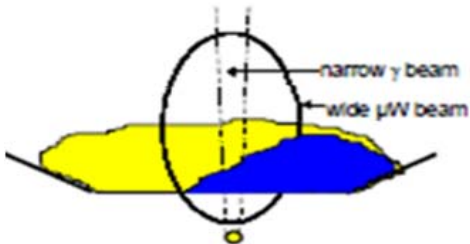


Possible Issue:

Offset peak of product on the belt can cause the microwave (wide) and the gamma ray (narrow) beams to measure different thicknesses.

Possible Solution:

Should be able to eliminate possible errors by making process changes.



Possible Issue:

Two or more products not mixed on a belt can cause a sample to be not accurate.

Possible Solution:

Should be able to eliminate possible errors by making process changes to run one product at a time.

Still have questions???

Please contact Berthold Technologies USA at (865) 483-1488 and we will be happy to start a dialog to insure our system can meet all of your specific needs.