



American International Chemical, Inc.

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SPECIFICATION SHEET

ISOMALT DC 100 FCC

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
ISM100	2620	64519-82-0	November 15, 2010	RMK	No. 2	MPR

CHARACTERISTICS:	White or almost white, odorless (slight product specific odor), sweet, free-flowing granules, slightly hygroscopic. Isomalt is a mixture of hydrogenated saccharides. Material passes FCC Thin Layer Chromatography Identification Test. Product is soluble in water, practically insoluble in ethanol.
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SPECIFICATIONS:	Assay	Greater than or equal to 98% GPS + GPM of which 43-57% is GPS
	Purity	
	Water (free and crystal water)	Less than or equal to 6%
	D-mannitol*	Less than or equal to 0.5%
	D-sorbitol*	Less than or equal to 0.5%
	Reducing sugars* (as glucose)	Less than 0.2%
	Ash content*	Less than or equal to 0.05%
	Conductivity	Less than or equal to 20 $\mu\text{S cm}^{-1}$
	Arsenic*	Less than or equal to 0.2 mg/kg
	Nickel*	Less than or equal to 1 mg/kg
	Lead*	Less than or equal to 0.3 mg/kg
	Total heavy metals* (as lead)	Less than or equal to 10 mg/kg
	* Based on total solids	

ADDITIONAL PARAMETERS:	Color of solution	Less than or equal to 30 ICUMSA units
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STOCKING POINTS:	Supplier's warehouse - Eatontown, NJ
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PACKAGING:	25 kg valved paper bags; 600 kg/pallet
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APPLICATIONS:	Isomalt DC is specifically designed for direct compression. Offers the naturally pure, sweet taste of isomalt with benefit of being sugar-free, promoting low-caloric content and does not promote tooth decay.
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SHELF LIFE, STORAGE INSTRUCTIONS:	Recommended re-test date is 3 years after manufacture. Store according to GMP. Pallets should not be stacked on top of each other. After opening, product should be used quickly to avoid moisture absorption to contamination.
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OTHER:	GRAS, Kosher, FAO/WHO approved
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A table with the identification of the relevant analytical methods for the various parameters can be provided upon request.

The specification of ISOMALT DC 100 covers the requirements resulting from the ISOMALT MONOGRAPH in Codex Alimentarius and Food Chemical Codex (FCC).