

PRODUCT SPECIFICATION

SORBITOL LTS LIQUID 97%



Document : Product Specification LTS 97%	Created By : Zulkarnaen	Effective date : 18 Apr 2019
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Manufacturer : PT. Sorini Towa Bertian Corporindo	Last Modified : 7 Sep 2019	Rev : 3
Plant : Beji – Pasuruan, East Java – Indonesia	Modified by : Budi K.	

A Product Description	
Generic name	SORBITOL 70% SOLUTION
Product grade	CRYSTALLINE GRADE
Product name	SORBITOL LTS LIQUID 97%
Product code	730

B Product Definition	
Sorbitol is an aqueous substance made from purified glucose through hydrogenation. It is clear, colorless, syrupy liquid. Miscible with water / ethanol / glycerin, or with propylene glycol.	

C Product Information	
CAS	50-70-4
EINECS#	200-061-5
E#	420 (ii)
Formula	C ₆ H ₁₄ O ₆

D Regulatory and Standard Compliance		
- BP, EP, USP/NF, FCC, E420, JECFA, KSFA, JP	- FSSC 22000	- Kosher
- ISO 9001 : 2015	- Halal	

E Packaging		
- Plastic drum	- ISO / Lorry tank	- Space Kraft
- Flexibag Container	- IBC	

F Label		
- Product name	- Lot number	- Best by
- Manufacturer name	- Production date	

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STBC

G Product Specification							
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No	Parameter	unit	Min	Max	Reference Method	CoA	CoC
1	Appearance	-	Colorless, clear liquid, odorless and has a sweet taste		Organoleptic	√	-
2	Identification						
	Test with catechol solution	-	A deep pink or wine-red color appears		Visual	-	√
	Retention time of major peak in the chromatogram	minute	The retention time of sample similar to standard solution		HPLC	-	√
3	Conductivity	µs/cm	-	10	Conductivity Meter	√	-
4	Reducing Sugar	%	-	0.2	Titration	√	-
5	Lead	ppm	-	0.5	AAS	√	-
6	Nickel (Ni)	ppm	-	1.0	AAS	√	-
7	Water	%	28	32	Karl Fischer	√	-
8	Assay						
	- Anhydrous substance	%	68.0	72.0	Karl Fischer	√	-
	- D-Sorbitol	%	97.0	-	HPLC	√	-

9	Microbiology						
	- Total bacteria	cfu/ml	-	300	Pour Plate Method	√	-
	- Total mould and yeast	cfu/ml	-	50	Pour Plate Method	√	-
	- Coliform	cfu/ml	Absent	-	Pour Plate Method	√	-

Note :

* Parameters on CoC column are not tested on each batch, have not been tested for the batch and represented values or ranges which is normally founded in this material (based on yearly third party analysis).