

# TG 42 Product Specification TATSAN GLUCOSE 42

Specification No	: KG.SPME.03
Validation Date	: 01.10.2008
Revision No	: 2
Revision Date	: 22/04/2013
Page	: 1/3

Min.  82.0  79.7  1.4959  1.4213  40.0		Method Calibrated refractometer,20°C Brix – Dry Substance Table Brix – Dry Substance Table, 20°C Brix – Dry Substance Table, 20°C Lane-Eynon Calibrated pH Meter, %40DS Titration with iodine solution Ash Oven 550°C,+H <sub>2</sub> SO <sub>4</sub> ,min.3st Spectrophotometric Method, 420nm	lk.
Min. 82.0 79.7 1.4959 1.4213 40.0 4.00	Max. 84.0 81.7 1.5014 1.4350 44.0 6.00 10.0 0.1 20.0	Calibrated refractometer,20°C  Brix – Dry Substance Table  Brix – Dry Substance Table, 20°C  Brix – Dry Substance Table, 20°C  Lane-Eynon  Calibrated pH Meter, %40DS  Titration with iodine solution  Ash Oven 550°C,+H <sub>2</sub> SO <sub>4</sub> ,min.3st  Spectrophotometric Method, 420nm	
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1.4213 40.0 4.00 -	1.4350 44.0 6.00 10.0 0.1 20.0	Brix – Dry Substance Table, 20°C  Lane-Eynon  Calibrated pH Meter, %40DS  Titration with iodine solution  Ash Oven 550°C,+H <sub>2</sub> SO <sub>4</sub> ,min.3st  Spectrophotometric Method, 420nm	
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	0.1 20.0	Ash Oven 550°C,+H <sub>2</sub> SO <sub>4</sub> ,min.3st Spectrophotometric Method, 420nm	
	20.0	Spectrophotometric Method, 420nm	
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-	1		
		With %10 HCl solution,on ds	
14.0	21.0	H.P.L.C.(on ds)	
12.0	18.0	H.P.L.C.(on ds)	
-	1	External Lab*	
-	5	External Lab*	
-	0.5	External Lab*	
-			
-	1000	Filtration Method	
-	100	Filtration Method	
-	100	Filtration Method	
-	100	Filtration Method	
No	one	External Lab*	
No	one	External Lab*	
	Appro	ved by Quality System Appro	Quality System Approval
	N	None None	None External Lab*  None External Lab*



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Revision No	:	2
Revision Date	:	22/04/2013
Page	:	2/3

Physical Properties:

Physical State : dense liquid

Colour : a changeable colour from colourless to light yellow

Odour : Odourless.

Taste : No off-taste.

Appearance : No visible impurity.
Solubility : Soluble in water.

#### **Hazard Identification:**

The above-mentioned corn syrup has no direct or indirect effect on human health. It does not contain any hazardous chemicals, additives or col color precursors for environment and storage area. Additionally, it doesn't include any chemical/biological element which causes dust effect, gas effect and environmental pollution.

#### **Personal Protection:**

There is no need any personal protection while working with the corn syrup. However, since it is used for food purposes, hygenical working conditions must be supplied.

#### **Ecological Information:**

It doesn't create Environmental pollution.

### **Toxicological Information:**

It doesn't have any acute or chronic poisoning event.

#### **First Aid Measures:**

Inhalation : No hazard expected.

Eye contact : Wash with plenty of water. Consult a doctor if any symptoms of irritation persists.

Skin contact : Not dangerous

Digestion : Not dangerous

#### Fire-Fighting Measures:

Fire extinquishing agents : CO<sub>2</sub>, chemical dryer, foam and water

Flammable properties : Not flammable

Hazardous Decomposition : If the product is exposed to high temperature, CO and CO<sub>2</sub> occur.

#### **Accident Release Measures:**

If the syrup spills or leaks in the course of an accident, it must be collected in an appropriate equipment for disposal. Since it is dustless, there is no need to use a vacuum cleaner. The product is a very good soluble in water, therefore there is no risk of precipitation in waste treatment systems.



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Revision Date	: 22/04/2013
Page	: 3/3

**Storage and filling:** 

Storage : The product must be stored in stainless steel tanks with smooth inner surface or cans

with physically appropriate package. (which is not leaking or not twisted) It must be stored at about 50°C in the insulated tanks or in a humidity-free place in perfectly

enclosed cans or barrels.

Filling : The items that can gather dust should be avoided and some methods should be

performed such as ventilation to get the dust out.

Shelf life : One year after production date

**Usage Area:** Food Industry

End users: -

**Allergen Information :** No Allergen material.

**GMO Information:** non-GMO material.

#### **Distribution Conditions:**

Product label Info must be on the package.

The product must be in line with the standart product specification.

The package must be in good conditions.

Transportation must be in the proper conditions not to create any physical, chemical and microbiological effects on the product.

#### **Labelling Data:**

Product name, ingredients, Product quantity, Production date, Lot No, Company name and address, Best Before.

No labelling for bulk product.

#### **Packaging:**

For bulk products, Stainless steel Containers, cans with 25 kgs and barrels with 300 kgs.

#### **Company:**

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