



Tian Yuan

Yixing Tianyuan Chemical Co.,Ltd

Certificate of Analysis

Glycerol Triacetate occurs colorless transparent oily liquid,with bitter taste, nontoxic, slightly soluble in water, Soluble in many kinds of organic solvents.

Product Name	Full Name:	Glycerol Triacetate(food grade)		
	Short Name:	Triacetin		
	Synonyms:	GTA		
Structural Formula	C <sub>9</sub> H <sub>14</sub> O <sub>6</sub>	CAS No.	102-76-1	
		Production Date	2013/02/18	
		Batch No.	130218	
Physical Properties	Molecular Weight	218.20 (provided by IUPAC in 1995)		
	Boiling Point	258°C ( 0.101mpa )		
	Flash Point	140~143 °C		
Specifications	Items	Standard	Test Result	
	1. Appearance	Colorless Transparent Liquid	Pass	
	2. Content	99.5% min	99.58%	
	3. Color (Pt-Co)	15# max	15	
	4. Water	≤0.05%	0.020%	
	5. Acidity (mgKOH/g)	≤0.005%	0.0035%	
	6. Refractive Index ( 25°C/D )	1.430 ~ 1.435	1.430	
	7. Relative Density (25/25°C)	1.154 ~ 1.164	1.158	
	8. Heavy Metals (as Pb)	≤5 ppm	Pass	
	9. Arsenic	≤1 ppm	Pass	
Packaging	Standard Packaging: 200L Iron Drum	Expiry Date	1 year	
Storage	Store under dry and cool condition, and keep product air-tight.			
Remark	Pass			

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Checker:

Reporter:

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