

**PRODUCT:** GLYCERIN BIDESTILADET USP VEGETABLE  
**DESCRIPTION:** GLYCERIN BIDESTILADET USP 100% VEGETABLE

**APPLICATIONS:** FOOD, COSMETICS, PHARMACEUTICALS AND CHEMICALS IN GENERAL  
**EXPIRATION DATE:** 24 MONTHS

ANALYSIS	METHOD	SPECIFICATION
Glycerol Content% <sup>1</sup>	IT.07-1 / AOCS Ea 6-51	Mín. 99,5
COLOR (escale Pt-Co escale APHA) <sup>1</sup>	IT.07 - 9 / ASTM 1209	Máx. 10
Water Content (%) (Karl Fischer)	IT.07-8 / AOCS Ea 8-58	Máx. 0,5
Specific weight 25°C (kg/l) <sup>1</sup>	IT.07-4 / AOCS Ea 7-95	1,25
Refractive index (20°C)	IT.07-7	1,471 – 1,474
Viscosity at 30°C (cP)	IT.07-10	Mín. 556
Odor	IT.07-12	ODORLESS
Appearance and Solubility in H2O	IT.07-11	LIQUID, TRANSLUCENT END MIXABLE IN WATER
pH a 10%	IT.07-6/ ABNT-7353	5 - 8
Fatty Acid and Esters (ml of NaOH 0,5N) <sup>1</sup>	IT.07-13 / AOCS Cd 3d-63	Máx. 1 ml de NaOH 0,5 N
Chlorides (ppm)	IT.07-16/ ASTM D512-10	Máx. 10
Acidity (mg KOH/g) <sup>2</sup>	ACS 10th Edition- Glycerin	0,1
Salmonella <sup>3</sup>	USP	ABSCENCE
Filth Elements - Mites Fragments <sup>3</sup>	AOAC	ABSCENCE
Macroscopy - Extraneous material indicative of Good Practices <sup>3</sup>	AOAC	ABSCENCE
Microscopy - Insect Fragments - indicative of Good Practices (not considered risk indicative) <sup>3</sup>	AOAC	ABSCENCE
Microscopy - Fragments of Rodent hair <sup>3</sup>	AOAC	ABSCENCE
Microscopy - Extraneous material indicative of Good Practices <sup>3</sup>	AOAC	ABSCENCE
Methanol (ppm) <sup>2</sup>	USP	EXEMPT
Aldehydes (ppm) <sup>2</sup>	EP 10th Edition - Glycerin	Máx. 10ppm
Chlorinated Compounds (ppm) <sup>1, 2</sup>	ACS 11th Edition - Glycerin	Máx. 0,003
Residue by Ignition - Ashes (% m/m) <sup>1, 2</sup>	USP	0,010
Sulfates (ppm) <sup>2</sup>	USP	Máx. 20
Heavy metals Pb, As, Hg, Cd, Cr, Ni (ppm) <sup>1, 2</sup>	USP	< 5ppm
Identification A - IR <sup>2</sup>	USP	CHECK
Identification B - Diethylene glycol and related (% m/m) <sup>2</sup>	USP	Máx 0,05
Identification C - Chromatography <sup>2</sup>	USP	CHECK

1 - MONITORING TESTS IN FOOD CHEMICAL CODEX (1996) / 2 - TESTS CONDUCTED IN EXTERNAL LABORATORIES (OFFICIALLY ACCREDITED).

3 - PERFORMANCE TESTING METHODS FROM AOAC – ASSOCIATION OF OFFICIAL AGRICULTURAL CHEMISTS (2016) according RDC ANVISA Nº 14 MARCH 2014

**TECHNICAL MANAGER: KÁTIA MARIA ARRUDA EMERI CRQ SP- 04261636**

Street: Waldyr Martins Ferreira, 500 – Industrial District Uninorte - Piracicaba - SP - Phone: (19) 3052.0156 - Email: qualidade@aromabio.com.br