

# Product Data Sheet

Specification Number 1413 Revision 08  
VYCERIN™ GL91 Glycerine Vegetable, USP



<b>Code:</b>	VYCERIN™ GL91	<b>Description:</b>	Glycerine Vegetable, USP
<b>Customer:</b>	CHI - House		
<b>Packaging:</b>	Bulk/Drum/Tote		

## Test Specifications

	Parameter	Units	Minimum	Maximum	Comments
*	Specific Gravity @ 25°C	----	1.2608	1.2620	----
*	Glycerine by Sp. Gravity	%	99.5	----	Target 99.7%
*	Color (APHA)	----	----	10.0	----
*	Fatty Acids & Esters	mls of 0.5N NaOH	----	1.0	----
*	Assay, anhydrous basis	%	99.0	101.0	----
*	Odor	----	Pass	----	Slight, characteristic
*	Water	%	----	0.5	----
*	Appearance	----	Pass	----	Clear, colorless liquid
C	Chlorinated Compounds (as Cl)	ppm	----	30	Certified
*	Chlorides (as Cl)	ppm	----	10	----
C	Elemental Impurities	ppm	----	----	Certified for 1 and 2A elements
C	Residue on Ignition	%	----	0.01	Certified
C	Infrared Absorption Scan	----	Pass	----	Certified. USP Identification Test A
C	Chromatographic Retention Time	----	Pass	----	Certified. USP Identification Test C
C	Diethylen Glycol, Ethylene Glycol and other organic impurities	%	Pass	----	Certified. USP Identification Test B. 0.10% max each of DEG and EG
*	Sulfates (as H2SO4)	ppm	----	20	----
C	Residual Solvents	----	Pass	----	Certified
*	USP color	----	Pass	----	----

**Notes:** \* Indicates parameters to be reported on COA  
C Certify

### COA Comments: Standard COA

Based on quarterly testing, we certify that this product complies with current USP Glycerin requirements : passes the Identification tests A (IR Absorption), B (Limit of Diethylene Glycol and Ethylene Glycol) and C (Glycerin Retention time); Chloride <= 10 ppm, Sulfate <= 20 ppm, Residue on ignition <= 0.01%, Organic Impurities individually <=0.1% and total <= 1.0%, Chlorinated compounds <= 30 ppm of Cl, and 1 & 2A Elemental Impurities.

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