

PRODUCT SPECIFICATIONS

Product Name: Glycerin Refined USP Grade 99.7%, Kosher
Product Code: TRG100K

Chemical Name: Glycerol

<u>Properties</u>	<u>Specifications</u>	<u>Methods</u>
Color	Pass (APHA equivalent 20 max)	USP/NF*
Identification A, IR	Passes test as glycerin	USP #197F
Identification B, Limit of DEG & EG	Pass	USP/NF*
Identification C, GC	Passes test as glycerin	USP/NF*
Specific Gravity (SG)	1.249 @25/25°C min	USP #841
Residue on Ignition (ROI)	0.01% max	USP #281
Water	5.0% max	USP #1-921
Chloride	Pass (0.001% max)	USP #221
Sulfate	Pass (0.002% max)	USP #221
Heavy Metals	5µg/g max	USP #231
Limit of Chlorinated Compounds	PASS (0.003% max)	USP/NF*
Fatty Acids & Esters (FA & E)	not more than 1.0mL of 0.5N NaOH consumed	USP/NF*
Related Compounds	not more than 0.1% any other individual impurity, And not more than 1.0% for total impurities	USP/NF*
Assay, anhydrous	99.0-101.0%	USP/NF*
<u>TRT Requirements:</u>		
Glycerin, %	99.7 min	USP#841
Water, %	0.3 max	USP#921
Specific Gravity (SG)	1.2613 @25/25°C min	USP #841

* In compliance with the latest USP/NF supplement

All data, including the formulations and procedures discussed herein are believed to be correct. However, this should not be accepted as a guarantee of their accuracy, and confirming tests should be run in your own plant or laboratory. No statement shall be construed as a recommendation for any use which would violate patent rights. Sales of all products are pursuant to terms and conditions included in Twin Rivers Technologies sales documents. Nothing contained herein shall constitute a guarantee or warranty with respect to the products described or their use. Safety information regarding this product is contained in its Material Safety Data Sheet (MSDS). Users of this product are urged study and use the information contained on the MSDS.