

Glycerin Superol®, Star®, Moon OU® Specification Sheet

Product	Superol KPO® Glycerin USP*/FCC/EP**	Moon OU® Glycerin USP*/FCC	Superol NK® Glycerin USP*/FCC	Star® Glycerin KPO, NK
Brandcode	KPO: 10247141 KPO MB: 10275699	K: 10275531 K MB: 10275886	NK: 10247140	K: 10245073 NK: 10247138
CAS#	56-81-5	56-81-5	56-81-5	56-81-5
GCAS# (internal)	99318844.014	99961024.012	98961024.008	KPO: 95711091.009 NK: 9868032.010
Chemical Properties *Excipient Use Only				
Glycerol % (LSL) (Bosart & Snoddy table)	99.7	99.7	99.7	96
Specific Gravity - (25 deg C)	1.2613 LSL	1.2613 LSL	1.2613 LSL	1.2517-1.2531
Aassay (% Glycerin on Anhydrous Basis)	99.0-101.0	99.0-101.0	99.0-101.0	99.0-101.0
Moisture (wt%)	0.3 USL	0.3 USL	0.3 USL	4.0 USL
Color APHA (Pt-Co Hazen Scale)	10 USL	10 USL	10 USL	10 USL
Residue on Ignition, %	0.007 USL	0.007 USL	0.007 USL	0.01 USL
Chlorides ppm (as Chloride)	10 USL	10 USL	10 USL	10 USL
Sulfates ppm	20 USL	20 USL	20 USL	20 USL
Heavy Metals (as Pb), ppm	1 USL	1 USL	1 USL	1 USL
Chlorinated Compounds (as Cl) ppm	30 USL	30 USL	30 USL	30 USL
Fatty Acids and Esters	NMT 0.3 mL	NMT 0.3 mL	NMT 0.3 mL	NMT 0.3 mL
Identification A by IR: Glycerin	Passes as Glycerin	Passes as Glycerin	Passes as Glycerin	Passes as Glycerin
Identification B by GC: Limit of DEG & EG	NMT 0.10% each DEG & EG	NMT 0.10% each DEG & EG	NMT 0.10% each DEG & EG	NMT 0.10% each DEG & EG
Identification C by GC: Glycerin	Passes as Glycerin	Passes as Glycerin	Passes as Glycerin	Passes as Glycerin
Related Compounds, %	NMT 0.1% Individual Impurity & NMT 1.0% total Impurities	NMT 0.1% Individual Impurity & NMT 1.0% total Impurities	NMT 0.1% Individual Impurity & NMT 1.0% total Impurities	NMT 0.1% Individual Impurity & NMT 1.0% total Impurities
Residual Solvents	Compliant	Compliant	Compliant	Compliant
Readily Carbonizable Substances Test, FCC	Pass	Pass	Pass	Pass
Identification Test A, RI nD 20*	1.470-1.475			
Sulphated Ash, %*	0.01 USL			
Halogenated Compounds*	Pass (35ppm USL)			
Sugars*	Pass			
Aldehydes*	Pass (10ppm USL)			
EP Esters*	8.0ml of 0.1 HCL, LSL			
EP Acidity*	0.2ml of 0.1 NaOH USL			

K = Kosher, NK = Non Kosher, MB = Mass Balance, USL = Upper Specification Limit, LSL = Lower Specification Limit

Availability depends on region and other variations may be available.

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