

COMMERCIAL SPECIFICATION

Product	Revision	Sheet
ISTEMUL PGMS K INT	20/03	1/1

Analytical Method Code	Quality Requirement	Commercial Specification	
		Min	Max
MA-MX-638	Acid Value, mgKOH/g		4.00
MA-MX-810	Saponification Value, mgKOH/g	160.00	200.00
MA-MX-875	Moisture, % (K.F)		1.0
# MA-MX-2075	Determination of Monoester %, for Propylene Glycol Monostearate	50.00	75.00

Commercial Observations :

Propylene Glycol Monostearate

Chemical Properties

Appearance	Yellowish solid
Boiling Point	447.7 °C
CAS Number	1323-39-3
Density	0.909 g/cm ³
EINECS Number	215-354-3
IUPAC Name	2-hydroxypropyl octadecanoate
InChI	1S/C21H42O3/c1-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-21(23)24-19-20(2)22/h20,22H,3-19H2,1-2H3
InChIKey	FKOKUHFZNIUSLW-UHFFFAOYSA-N
Melting Point	35°C
Molar Mass	360.577 g/mol
Molecular Formula	C ₂₁ H ₄₂ O ₃
RTECS Number	WI4550000
Refractive	1.457 n/D
Synonyms	2-Hydroxypropyl Octadecanoate;2-Hydroxypropyl Stearate;Octadecanoic Acid Monoester With 1,2-Propanediol;Octadecanoic Acid, 2-Hydroxypropyl Ester;1,2-Propanediol Monoctadecanoate;1,2-Propanediol Monostearate;1,2 Propylene Glycol Monostearate