

PRODUCT SPECIFICATION

REFINED GLYCERINE USP GRADE

TEST PARAMETER	UNIT	ANALYSIS METHOD	SPECIFICATION
COLOR APHA (HAZEN SCALE)	Hazen	APHA COLOR SCALE MEASUREMENT UNIT- ISO 2211 (1973)	10 MAX
IDENTIFICATION BY GC	-	USP	PASS TEST AS GLYCERINE
SPECIFIC GRAVITY @25°C	-	DENSITOMETER	1.2608 MIN
ASSAY (%GLYCERINE ON ANHYDROUS BASIS)	%	USP	99.5 MIN
MOISTURE	%	KARL FISHER	0.5 MAX
FATTY ACIDS & ESTERS (ml of 0.5N NaOH)	ml	USP	1 MAX
HEAVY METALS, Pb	ppm	USP	5 MAX
CHLORIDES	ppm	USP	10 MAX
SULFATE	ppm	USP	20 MAX
RESIDUE ON IGNITION	%	USP	0.01 MAX
LIMITED OF CHLORINATED COMPOUNDS	ppm	USP	30 MAX
DIETHYLENE GLYCOL (DEG) IMPURITIES	%	USP	0.1 MAX
INDIVIDUAL IMPURITIES	%	USP	0.1 MAX
SUM OF ALL IMPURITIES	%	USP	1.0 MAX
ORGANIC VOLATILE IMPURITIES	-	USP	PASS
IDENTIFICATION A – INFRARED ABSORPTION	-	USP	PASSED TEST
COLOR (Ferric Chloride)	-	USP	PASSED TEST