

Specification Sheet

Product Name
Kollisolv® PEG E 400

Product Number

06855

Product Brand

SIGMA

CAS Number

25322-68-3

Molecular Weight

TEST	SPECIFICATION
APPEARANCE (COLOR)	Colorless to Almost Colorless
APPEARANCE (FORM)	Liquid or Viscous Liquid
SOLUBILITY (COLOR)	Colorless to Very Faint Brown-Yellow
SOLUBILITY (TURBIDITY)	Clear
SOLUBILITY (METHOD)	25% AQUEOUS SOLUTION

TEST	SPECIFICATION
SOLUBILITY	CLEAR COLORLESS (10 % SOLUTION)
PH-TEST	4.5 - 7.0
PH (METHOD)	50 g/l
WATER	≤ 1.0 %
SULFATED ASH	≤ 0.1 %
REM. ON PHYSICAL DATA	AVERAGE MOLECULAR WEIGHT [FROM OH-VALUE]
INFRARED SPECTRUM	CONFORMS TO STRUCTURE
VISCOSITY (ROTATION)	105 - 130 MPAS (20 DEG C); 6.8 - 8.0 CS (98.9 DEG C)
ACIDITY OR ALKALINITY	Pass
REDUCING SUBSTANCES	Pass

TEST	SPECIFICATION
DIOXAN	≤ 10 ppm
ETHYLENE GLYCOL AND DIETHYLENE GLYCOL	SUM ≤ 0.25 %
ETHYLENE OXIDE	≤ 1.0 ppm
FORMALDEHYDE	Pass
HEAVY METALS	≤ 5 PPM (VERIFIED ON RANDOM SAMPLES ONLY)
LEAD	≤ 1 PPM (VERIFIED ON RANDOM SAMPLES ONLY)
MISCELLANEOUS TESTS	PURITY (ACID) MUST COMPLY
HYDROXYL VALUE	267 - 295 mg KOH/g
RESIDUAL SOLVENTS (GLC-HS)	ETHYLENE GLYCOL ≤ 620 PPM; ACETIC ACID ≤ 0.5 C