



Certificate Of Analysis

Product Name: Di Octyl Phthalate (DOP)

Specification

CHARACTERISTICS	UNITS	TEST METHOD	VALUE
Colour	HU	ASTM-D-1045-86	20 max
Volatile Loss (130°C/3Hrs)	wt%	KLJTM	0.10 max
Ester Value	mg KOH/g	ASTM-D-1045-86	284-290
Acidity	wt%	ASTM-D-1045-86	0.01 max
Moisture	wt%	ASTM-E-203	0.10 max
Specific Gravity (27°C)	-	ASTM-D-1045-86	0.980-0.986
Ester content	wt%	ASTM-D-1045-86	99.50 min
Heat Stability (180°C/ 2Hrs)	HU	ISI-9591-96	No change
Acidity after heat treatment	wt%	ASTM-D-1045-86	0.03
Plasticizing Esters by GC	% by area	KLJTM	99.50 min
Residual alcohol	% by area	KLJTM	0.10 max

Typical Properties

Volume Resistivity	Ohmcm	KLJTM	$2 \pm 0.2 \times 10^{11}$
Boiling Point @ 7 mbar	°C	lit.	231
Pour point	°C	lit.	-46
Viscosity at 20°C	cp	KLJTM	82±
Flash point	°C	KLJTM	218
Refractive Index (27°C)	-	ASTM-D-1045-86	1.484-1.488

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