

CERTIFICATE OF ANALYSIS

PRODUCT :- UNITED DOTP (Di-Octyl Terephthalate )  
 MFG DATE :- 20.06.2023  
 SHELF. LIFE :- 2 YEAR

Sr. No.	Characteristics	Test Method	Spec.	Result
1	Colour HU (APHA)	ASTM-D-1045-2008	20HU Max	10
2	Acidity (As Phthalic Acid Wt.%)	ASTM-D-1045-2008	0.01% Max	0.008
3	Moisture (wt.%)	ASTM-E-203-2008	0.10% Max	0.05
4	Specific Gravity(28°C)	ASTM-D-1045-2008	0.980-0.989	0.985
5	Heat Stability (At 180°C For 2 Hrs.)	ISI-9591-2003	No Change	No Change
6	Volatile Loss (Wt.%) (At 130°C For 3 Hrs)	UNITED TM	0.10% Max	0.092
7	Plasticizing Ester By GLC	UNITED TM	99.5% Min	99.88
8	Ester Value (mg KOH/gm.)	ASTM-D-1045-2008	284 -290	285.5
9	Refractive Index (27°C)	ASTM-D-1045-2008	1.484-1.489	1.484

Prepared By  
**UNITED CHEMICALS**

Authorized Signatory

Remark:- This COA belongs to storage tank from which above lot was filled.