



## NHR ORGANIC OILS

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# Certificate of Analysis D-Mixed Tocopherols Natural (Vit E)

ANALYTICAL DETAILS	RANGE	RESULTS
APPEARANCE	Yellow brown to red-brown clear viscous liquid	Conforms
ODOUR	Mild, Characteristic	Conforms
RELATIVE DENSITY (20/20°C)	0.938 – 0.963	0.9501
REFRACTIVE INDEX nD20	1.495 – 1.510	1.5026
ACIDITY (ml/g)	≤ 1.0	≤ 1.0
HEAVY METALS (ppm)	≤ 10	< 10
ARSENIC (ppm)	≤ 1.0	< 1.0
TOTAL TOCOPHEROLS (mg/g)	≥ 680	≥ 680
TOTAL TOCOPHEROLS (%)	≥ 70	70.2
ALPHA TOCOPHEROLS (%)	≤ 14	6.3
BETA/GAMMA/DELTA TOCOPHEROL (%)	≥ 56	63.9
SPECIFIC ROTATION (°)	≥ + 20	Conforms
FLASH POINT (°C)	255 (Cleveland method)	Conforms

**Date of Manufacture:** 04/12  
**Date of Expiry:** 04/15

When stored within advised conditions, re-test after 12 months then at 3 monthly intervals up to a maximum life of 36 months.

**Note:** Certain materials will degrade more rapidly than others and ultimate life is dependant upon good package and storage conditions  
We hereby certify that the above material meets the required specification and is released for free sale.