

CEFA-CILINAS BIOTICS PVT LTD

PLOT NO. W-8, CHIKALTHANA MIDC, AURANGABAD -431001, MH INDIA.

29.09.2026

CERTIFICATE OF ANALYSIS

Product Name	1-O-Hexyl-2,3,5-trimethylhydroquinone (HTHQ)		
CAS No.	148081-72-5	HS Code	29095090
Mfg Date	September 2026	Exp Date	September 2029
Batch No.	CEFA-HTHQ-20260001	Batch Size	2000 kgs
Packing	25 KG HDPE Drum		

Sr No	Item	Specifications	Results
1	Appearance	Off-white to pale yellow viscous liquid or low-melting solid	Off-white liquid
2	Odor / Clarity	Characteristic faint phenol-like odor; clear solution in chloroform	Conforms
3	Identification (FTIR)	Infrared spectrum matches reference standard	Conforms
4	Identification (1H-NMR)	Spectrum matches molecular structure (2,3,5-trimethyl & hexyl groups)	Conforms
5	Assay (Purity)	$\geq 98.5\%$	99.2%
6	Impurity A (2,3,5-TMHQ)	$\leq 0.50\%$	0.12%
7	Single Unknown Impurity	$\leq 0.20\%$	0.08%
8	Total Impurities	$\leq 1.50\%$	0.80%
9	Water Content (Karl Fischer)	$\leq 0.50\%$ w/w	0.18% w/w
10	Residue on Ignition (Sulfated Ash)	$\leq 0.10\%$ w/w	0.03% w/w
11	Heavy Metals (as Pb)	≤ 10 ppm	< 2 ppm
12	Residual Solvents		