

CERTIFICATE OF ANALYSIS

Product	Tertiary Butylhydroquinone (TBHQ) – Food Grade	Batch No.	10001081026
CAS No.	1948-33-0	Mfg. Date	May-2026
E No. / INS	E319 / INS 319	Best Before	Apr-2028
Grade	Food Grade (IS 11913:1986)	Packager	ASES Chemical Works

Sr.	Parameter	Unit	Specification	Result
1	Appearance	–	White to light tan crystalline powder	White crystalline powder
2	Identification	–	Passes test	Passes
3	Odour	–	Faint	Faint
4	Purity	%	99.0 min.	99.76
5	Melting Point	°C	126.5 – 128.5	127.9
6	Heavy Metals (as Pb)	ppm	2 max.	0.2691
7	Arsenic (as As)	ppm	3 max.	0.0139
8	Toluene	ppm	25 max.	3.84
9	2,5-Di-tert-butylhydroquinone	%	0.20 max.	0.056
10	Hydroquinone	%	0.10 max.	0.030
11	tert-Butyl-p-benzoquinone	%	0.20 max.	0.036
12	UV Absorbance (Polynuclear Hydrocarbons)	–	Passes test	Passes
13	Solubility	–	Soluble in alcohol and ether; practically insoluble in water	Passes
14	Free from extraneous matter / foreign particles	–	Passes test	Passes

Conclusion: The material conforms to IS 11913:1986 (food grade TBHQ).

Manufactured in an ISO 9001:2015, FSSC 22000, FAMI-QS, Halal and Kosher certified facility. ASES Chemical Works
FSSAI Lic. No. 12221999000175.

For ASES Chemical Works

Rohan Singhvi
Authorized Signatory