

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-01-09 18:02:09

Date of Next Testing: 2029-01-08 18:02:09

Product Name: **2,6-Di-tert-butyl-4-methylphenol(BHT)**

CAS Number: 128-37-0

Specifications & Purity: E 321

Lot #: A2605446

SKU #: **B431698**

Version: **1**

Analysis #: **638173**

Storage Temperature: Protected from light,Room temperature,Argon charged,Desiccated

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.96400 %
Melting point	69-72 (°C)	71.54000 °C
Absorption maximum λ_{max} . (Ethanol abs.)	277-279 (nm)	277.90000 nm
Specific Absorptivity A 1%/1cm (λ 278; 0.05 g/l; ethanol(95 %))	82-88	86.00000
Heavy metals(as Pb)	0-20 (ppm)	10.00000 ppm
Sulfate(SO42-)	0-150 (ppm)	100.00000 ppm
Arsenic(As)	0-3 (ppm)	1.25800 ppm
Mercury(Hg)	0-1 (ppm)	0.06890 ppm
Lead(Pb)	0-2 (ppm)	1.26980 ppm
p-cresol	0-0.1 (%)	0.00240 %
Methanol (HS-GC)	≤3000 (ppm)	600.00000 ppm
Toluene (HS-GC)	≤ 890 (ppm)	200.00000 ppm
Related substances (TLC)	≤0.5 (%)	0.02350 %
Related substances (HPLC) (p-Cresol or m-cresol)	≤0.1 (%)	0.00014 %
Related substances (HPLC) (3-tert-butyl-4-hydroxyanisole)	≤ 0.1 (%)	0.00600 %
Related substances (HPLC) (3,5-Ditert-butyl-4-hydroxybenzoic acid)	≤0.1 (%)	0.00170 %
Related substances (HPLC) (2-tert-Butyl-4-methylphenol or 2-tert-butyl-5-methylphenol)	≤0.1 (%)	0.00080 %
Related substances (HPLC) (3,5-Ditert-butyl-4-hydroxy benzaldehyde)	≤0.1 (%)	0.00010 %
Related substances (HPLC) (4,6-Di-tert-butyl-m-cresol)	≤ 0.1 (%)	0.00060 %
Related substances (HPLC) (2,6-Di-tert-butylphenol)	≤0.1 (%)	0.00800 %
Related substances (HPLC) (Any unspecified impurity)	≤ 0.1 (%)	0.00056 %
Related substances (HPLC) (Sum of all impurities)	≤ 0.7 (%)	0.00350 %
Sulfated ash(600 °C)	0-0.002 (%)	0.00010 %
Water by Karl Fischer	0-0.2 (%)	0.00180 %

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Parameter

Infrared spectrum

Appearance(B431698)

Appearance of solution(100 g/l, Methanol (Ph Eur)Clear and not more intense in color than reference solutionYs or BYs)

Other residual solvents (ICH Q3C,excluded by the production process)

Limit Values

Conforms to Structure

White to yellowish crystalline powder.
pass

pass

Result

Conforms to Structure

White to yellowish crystalline powder
Pass

Pass



John Su
QA & QC Manager