

Product Data Sheet

Eastman™ Hydroquinone, Photographic Grade

Application/Uses

- Antioxidant
- Chemical intermediate
- Inhibitor
- Photographic products
- Polymerization inhibitor
- Stabilizer

Product Description

Eastman™ Hydroquinone, Photographic Grade, is a white crystalline solid. HQ is used as a good general-purpose inhibitor, stabilizer, antioxidant, and intermediate. Hydroquinone is offered in both photographic and USP grades for use in many applications.

Typical Properties

Property	Typical Value, Units
Molecular Weight	110.11
Empirical Formula	C ₆ H ₆ O ₂
Form	White crystals
Assay	99.4 wt % min.
pH	4.1-4.7
Bulk Density ^a	0.66 g/mL
Density, Solid Phase @ 4°C	1.34 g/mL
Absorptivity	
(5% HQ in 0.1N HCl) @ 455 nm	0.19 max.
(5% HQ in 0.1N HCl) @ 520 nm	0.12 max.
(5% HQ in 0.1N HCl) @ 700 nm	0.07 max.
Water	0.6 wt % max.
Iron	10 ppm
Boiling Point	286°C (547°F)
Sublimation Temperature	
@ 1 mm Hg	132°C
@ 1 x 10 ⁻² mm Hg	85°C
@ 1 x 10 ⁻⁴ mm Hg	48°C
@ 1 x 10 ⁶ mm Hg	20°C

Yellowness Index	35 max.
Flash Point Cleveland Open Cup	177°C (350°F)
Fire Point Cleveland Open Cup	191°C (375°F)
Autoignition Temperature	499°C (930°F)

^a Untapped

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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