

CERTIFICATE OF ANALYSIS

Product	Hydroquinone USP		
Synonyms	1,4-Benzenediol		
CAS No.	123-31-9	Batch No.	HYD/096/20-21
A.R. No.	MR/FP/21/02/104	Manufacturing date	February 2021
Batch size	274.400 kg	Retest date	January 2024
Storage condition	Preserve in tight, light-resistant containers		
Date of analysis	18/02/2021		

Test	Specification	Results
Description	Fine white needles. Darkens upon exposure to light and air	Fine white needles. Darkens upon exposure to light and air
Solubility	Freely soluble in water, in alcohol, and in ether	Complies
Identification a) By IR b) By TLC c) By UV	Corresponds to working standard. The R_f Value of the principal spot obtained from the solution under test corresponds to that obtained from the standard solution. A1 in 40,000 solution in methanol exhibits an absorbance maximum at 293 ± 2 nm	Conforms with standard Complies Complies
Melting range	Between 172-174 °C	172-174°C
Water (By KF)	Not more than 0.5%	0.19%
Residue on ignition	Not more than 0.5%	0.08%
Assay (By Titration)	Not less than 99.0% and Not more than 100.5% of $C_6H_6O_2$, calculated on the anhydrous basis.	99.65%

In House test

Related substance (By HPLC) Pyrogallol Resorcinol Pyrocatechol Largest single unknown impurity Total impurities	Not more than 0.15% Not more than 0.15% Not more than 0.15% Not more than 0.10% Not more than 1.0%	Not detected Not detected Not detected Below LOQ Below LOQ
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Remark: The above material ~~complies~~ does not comply with specification No. QCD/APS/002-R6

Prepared by Reshma 11/03/2021	Checked by Hitesh 11/03/2021	Approved by Monica 11/03/2021
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