

Orthophosphoric acid 85%
HPLC (Analytical Reagent)
500 ML



RANKEM

Material No.: O0052
CAS No.: 7664-38-2
Molecular Formula: H_3PO_4
Molecular Mass: 98.00

Product Specification

Filtered through 0.2 micron filters

Test	Specification
BIS Analytical Reagent Specifications	.
Guarantee Analysis	.
Assay (H_3PO_4)	$\geq 85.00 \%$
Relative Density at 27/ 27°C	≥ 1.71
Maximum Limits Of Impurities	.
Iron (Fe)	$\leq 0.003 \%$
Chloride (Cl)	$\leq 5 \text{ ppm}$
Sulphate (SO_4)	$\leq 30 \text{ ppm}$
Arsenic(As)	$\leq 1.00 \text{ ppm}$
Nitrate (NO_3)	$\leq 5 \text{ ppm}$
Lead (Pb)	$\leq 10.00 \text{ ppm}$
Silica (SiO_2)	$\leq 0.05 \%$
Calcium (Ca) and Magnesium (Mg)	$\leq 0.006 \%$
Oxygen Absorbed (As O)	$\leq 10 \text{ ppm}$
Volatile Acids	Passes test
Manganese (Mn)	$\leq 0.40 \text{ ppm}$
HPLC Specification	.
Weight Per ml (at 20°C)	1.70 - 1.72 g
Maximum Limits Of Impurities	.
Potassium (K)	$\leq 0.005 \%$
Sodium (Na)	$\leq 0.03 \%$
UV Transmittance	.
210 nm	$\geq 85 \%$
220 nm	$\geq 89 \%$
230 nm	$\geq 91 \%$
300 nm	$\geq 95 \%$
Corresponding Max. Absorbance	.

This document has been produced electronically and is valid without signature. For questions on this Product Specification please contact Technical Services via
Phone +91 (22) 41288100 or Email: Info.lab@avantorsciences.com.

Avantor Performance Materials India Private Limited.

501, 5th Floor, Tiffany Building, Hiranandani Bussiness Park, Ghodbunder Road, Thane (W) - 400607, Maharashtra, India.

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Test	Specification
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Description: A clear, colourless and odourless syrupy liquid.
Miscibility : Miscible with water and ethanol.

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