



PRODUCT SPECIFICATIONS SHEET

Product Name Benzyl Alcohol
 Grade NF/EP/BP Grade
 Catalog # zh303NF/EP/BP

TEST	MONO-GRAPH	SPECIFICATION	TYPICAL RESULT
Identification A - Infrared Spectroscopy	NF	Conforms to Reference Spectrum	Pass
Identification - Infrared Absorption	EP/BP	Conforms to Reference Spectrum	Pass
Assay	NF	98.0% - 100.5% C ₇ H ₈ O	100.00 %
Assay	EP/BP	98.0% - 100.5% C ₇ H ₈ O	100.00 %
Impurities - Fats and Fixed Oils / Peroxide Value	NF	NMT 5	1
Peroxide Value	EP/BP	NMT 5	1
Impurities - Residue on Evaporation	NF	NMT 0.05%	0.00 %
Impurities - Residue on Evaporation	EP/BP	NMT 0.05%	0.00 %
Organic Impurities - Benzaldehyde	NF	0.15% max.	0.02 %
Related Substances - Benzaldehyde	EP/BP	0.15% max.	0.02 %
Organic Impurities - Cyclohexylmethanol	NF	0.10% max.	0.00 %
Related Substances - Cyclohexylmethanol	EP/BP	0.10% max.	0.00 %
Organic Impurities - Peaks with RT < C ₇ H ₈ O	NF	0.04% max.	0.00 %
Related Substances - Peaks with RT < C ₇ H ₈ O	EP/BP	0.04% max.	0.00 %
Organic Impurities - Peaks with RT > C ₇ H ₈ O	NF	0.30% max.	0.00 %
Related Substances - Peaks with RT > C ₇ H ₈ O	EP/BP	0.30% max.	0.00 %



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TEST	MONO-GRAPH	SPECIFICATION	TYPICAL RESULT
Acidity	NF	NMT 1 mL of 0.1M NaOH solution is required	0.1 ml
Acidity	EP/BP	NMT 1 mL of 0.1M NaOH solution is required	0.1 ml
Clarity of Solution	NF	Test Solution shows same clarity as that of water, or its opalescence is not more pronounced than that of Reference suspension 1	Pass
Color of Solution	NF	The Test solution has the color of water	Pass
Characters	EP/BP	Appearance: clear, colourless, oily liquid. Solubility: soluble in water, miscible with ethanol (96 per cent) and with fatty and essential oils.	Pass
Appearance of Solution	EP/BP	Solution is clear and colorless	Pass
Refractive Index	NF	1.538 - 1.541 @ 20°C	1.541
Refractive Index	EP/BP	1.538 - 1.541 @ 20°C	1.541
Relative Density	EP/BP	1.043 - 1.049 @ 20°C	1.045

Certification and Compliance Statements

This product complies with all of the current requirements listed in the National Formulary, European Pharmacopeia and British Pharmacopeia monographs.

This product is not derived, nor does it come in contact with, any materials derived from bovine or other animal sources.

No chemicals whatsoever are used as solvents at any point in the manufacture, processing or packaging of Benzyl alcohol. Only Class 2 and Class 3 residual solvents may appear as impurities / related substances / low level contaminants in Benzyl Alcohol. Concentration of Class 2 Option 1 and Class 3



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residual solvents is below limits in the current USP/NF General Chapter <467> and ICH Q3C Impurities: Residual Solvents.

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Appropriate/legal use of all products are the responsibility of the user and subject to applicable local laws and regulations.