

Certificate of Analysis

Product: Benzyl Alcohol NF/FCC Food Grade

Lot No: BPCBA122025

Best Before: December 2030

CAS Number: 100-51-6

Origin: USA

TEST	Monograph	SPECIFICATION	Typical Results
Appearance	FCC	Colorless liquid with sharp burning taste and faint aromatic odor	Conforms
Assay	FCC	NLT 99.0% of C ₇ H ₈ O	99.8%
Assay	NF	98.0% - 100.5% of C ₇ H ₈ O	99.8%
Identification	FCC / NF	Conforms to Infrared Spectra	Conforms
Refractive Index	FCC	1.539 – 1.541 @ 20C	1.540
Refractive Index	NF	1.538 – 1.541 @ 20C	1.540
Specific Gravity	FCC	1.042 – 1.047 @ 25C	1.043
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	Passes
Peroxide Value	NF	NMT 5	2
Acidity	NF	NMT 1.0mL of 0.10N NaOH solution is consumed	0.28mL
Distillation Range	FCC	NLT 95% distills between 202.5-206.5C	Passes
Limit of Nonvolatile Residue	NF	NMT 0.05%	<0.01%
Aldehydes	FCC	NMT 0.2%	<0.1%
Chlorinated Compounds	FCC	To Pass Test	Passes
Related Compounds	NF	Benzaldehyde	0.15% max.
		Cyclohexylmethanol	0.10% max.
		Peaks with RT < C ₇ H ₈ O	0.04% max.
		Peaks with RT > C ₇ H ₈ O	0.30% max
			<0.001%
			0.03%
			<0.001%

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