

Certificate of Analysis

Product : Benzyl Alcohol
Catalog# : C2045
CAS : 100-51-6
Formula : $C_6H_5CH_2OH$
Grade : ACS
Lot/Batch# : DS-XXXXXX
Manufacture Date : MM/YYYY
Batch Size : xxxx kg
Country of Origin: : xxxxx
Expiration: : MM/YYYY

Analytical Results

TEST	SPECIFICATIONS	TYPICAL RESULTS
Appearance	Colorless liquid with sharp burning taste and faint aromatic odor	Conforms
Assay	NLT 99.0% of C_7H_8O	99.87%
Assay	98.0% - 100.5% of C_7H_8O	99.8%
Identification	Conforms to Infrared Spectra	Conforms
Refractive Index	1.539 – 1.541 @ 20C	1.540
Refractive Index	1.538 – 1.541 @ 20C	1.540
Specific Gravity	1.042 – 1.047 @ 25C	1.043
Clarity of Solution	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	The Test solution has the color of water	Passes
Peroxide Value	NMT 5	2
Acidity	NMT 1.0mL of 0.10N NaOH solution is consumed	0.28mL
Distillation Range	NLT 95% distills between 202.5-206.5C	Passes
Limit of Nonvolatile Residue	NMT 0.05%	<0.01%
Aldehydes	NMT 0.2%	<0.1%
Chlorinated Compounds	To Pass Test	Passes
Related Compounds	Benzaldehyde	0.15% max.
	Cyclohexylmethanol	0.10% max.
	Peaks with RT < C_7H_8O	0.04% max.
	Peaks with RT > C_7H_8O	0.30% max.
		0.02% <0.001% 0.03% <0.001%

Verified By

HL Laterre

Helen Laterre