

CERTIFICATE OF ANALYSIS

Product Name: N-Butanol

BATCH NO: 20232367

We hereby certify that the good mentioned above have been tested and meet the specifications:

Properties	Test Method	Specification Range		Value	Unit
		Min	Max		
N-BuOH	HY 221	99.80	100.00	99.92	Wt %
Color (Pt-Co)	ASTM D-1209	-	5	1	Pt-Co
Water	ASTM D-1364	0.000	0.100	0.005	Wt %
Aldehydes	HY 2	-	0.03	0.00	Wt %
Acidity as Acetic Acid	ASTM D-1613	0.00000	0.00500	0.00050	Wt %
l-BuOH	HY 221	-	0.10	0.07	Wt %