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CERTIFICATE OF ANALYSIS**AL0175_22397203/1**

Product 1-Butanol, HPLC grade

Batch 22397203

AL0175

Quality release date 13/01/2022

Expiry date 01/2027

Analysis	Batch value	Specifications
Assay (G.C.)	99,89 %	≥ 99,8
Identity (IR-Spectrum)	passes test	passes test
Density (20°/4°)	0,8097 g/mL	0,809 - 0,810
Acidity	0,00006 meq/g	≤ 0,0002
Alkalinity	< 0,0002 meq/g	≤ 0,0002
Residue on evaporation	0,0002 %	≤ 0,0002
Water (K.F.)	0,0095 %	≤ 0,1
UV spectroscopy in a 1,0 cm cell:		
min. transmission at 210 nm	23,42 %	≥ 20
min. transmission at 220 nm	51,28 %	≥ 50
min. transmission at 245 nm	92,01 %	≥ 90
max. absorbance at 210 nm	0,658 AU	≤ 0,699
max. absorbance at 220 nm	0,301 AU	≤ 0,301
max. absorbance at 245 nm	0,046 AU	≤ 0,046

Microfiltered through membranes of pore diameter 0,22 µm.
For laboratory use only.