

SYSTEM
Specification

PRODUCT NAME : n-Butanol, *ChemAR*[®]
{1-Butanol, Butan-1-ol, }
CATALOGUE NUMBER : BU040-90
FORMULA : C₄H₁₀O
MOLECULAR WEIGHT : 74.12
CAS. NUMBER : [71-36-3]

IMDG class : 3 UN No : 1120 Packaging group : III

HAZARD STATEMENT: H226,H302,H335,H315,H318,H336

PRECAUTIONARY STATEMENT: P210,P243,P280,P302+P352,P304+P340,P305+P351+P338,P309+P310

Risiko (Risks):R10,R22,R37/38,R41,R67

Keselamatan (Safety):S7/9,S13,S26,S37/39,S46

SPECIFICATION

Assay(GC)	min.99.5	%
Acidity	<0.0005	meg/g
Colour	max.10	APHA
Residue after evaporation	max.0.001	%
Water	max.0.1	%
Calcium(Ca)	max.0.5	ppm
Copper(Cu)	max.0.02	ppm
Iron(Fe)	max.0.1	ppm
Lead(Pb)	max.0.05	ppm
Magnesium(Mg)	max.0.1	ppm
Potassium(K)	max.0.1	ppm
Sodium(Na)	max.1	ppm
Zinc(Zn)	max.0.2	ppm
Total phosphorus(P)	max.0.2	ppm
Total silicon(Si)	max.0.05	ppm
Total sulfur(S)	max.0.5	ppm
Butan-2-ol	max.0.05	%
2-Butanone	max.0.1	%
Aluminium(Al)	max.0.2	ppm
Barium(Ba)	max.0.1	ppm
Cadmium(Cd)	max.0.05	ppm
Chromium(Cr)	max.0.02	ppm
Cobalt(Co)	max.0.02	ppm
Lithium(Li)	max.0.02	ppm
Manganese(Mn)	max.0.02	ppm
Molybdenum(Mo)	max.0.02	ppm
Nickel(Ni)	max.0.02	ppm
Strontium(Sr)	max.0.05	ppm
Titanium(Ti)	max.0.02	ppm
Vanadium(V)	max.0.02	ppm
Boiling point	116-119	°C
Refractive index	1.3993	
Weight per ml at 20oC	0.810g	



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