

QUALITY CONTROL DEPARTMENT

ORDER NUMBER

SPECIFICATION SHEET



PRODUCT
N-Butyl Alcohol USP/NF Grade 209340 -0105

SPECIFICATION	SPECIFICATION VERSION	SPECIFICATION DATE
06102/GJ/GJ	1.2000	01/01/2008

PRODUCT SPECIFICATION			
TEST	TEST ID	UNITS	REQUIREMENTS
Date Heading	Date Heading		Use By Date, Expiration Date, Retest Date, None
Appearance (c)	L-460		Clear
USP841 Sp. Gravity 25C (n)	L-195		.807 =< Value =< .809
USP921 Water (n)	L-1021	% wt.	0 =< Value =< .1 % wt.
USP621 Assay GC TCD&FID	L-185	wt. %	99.4 =< Value =< 100 wt. %
USP Acidity	L-198		Pass
ACS Aldehyde (c)	L-305		Pass
ACS Butyle Ether (c)	L-350		Pass
Distillation Range (c)	L-455		Range of 1.5deg, including 117.7degC
USP Lim.of Nonvolatile Residue	L-1220	wt. %	0 =< Value =< .004 wt. %
USP 831 Refractive Index 25C n	L-190	(n)	1.3985 =< Value =< 1.3995 (n)
Country Of Origin	COUNTRY		
Manufacture Name	MFG NAME		
Shelf Life	SHELF LIFE		

REMARKS
All test methods conform to USP31/NF26 requirements.

DOT MARKINGS

UN CODE	PACKAGING GROUP	CAS NUMBER
1120	III	71-36-3

DOT NAME
UN1120, Butanols Flammable Liquid PGIII

CONTAINS

HAZARD TEXT

Important

The information on the sheet is believed to be accurate but is not warranted to be so. Protective equipment, health effects, and other related safety measures are based on intended and anticipated product use. Recipients are advised to confirm in advance of need that the information is applicable and suitable to their circumstances.