

# Standard Analysis Certificate

**PRODUCT** :BUTANOL-1 RPE ISO  
**CODE** :414130  
**METHOD** :8049

TEST	U.M.	SPECIFICATION
Description	-	Clear liquid
Colour (APHA)	-	<=10
Identification (I.R.)	-	Conform
Water solubility	-	Conform
Density at 20° C	-	0.808 ÷ 0.810
Boiling point	° C	116 ÷ 119
Water (K.F.)	%	<= 0.1
Residue on evaporation	ppm	<= 10
Acidity	meq/g	<= 0.0008
Alcalinity (NaOH)	ppm	<= 5
Carbonyl Compounds (CO)	ppm	<= 200
Acetone	%	<= 0.01
Isobutanolo	%	<= 0.15
2-Butanolo	%	<= 0.05
di-Butiletere	%	<= 0.1
Aldeide butirrica	%	<= 0.02
Ready carbonizable substances	-	Conform
Al	ppm	<= 0.5
Ba	ppm	<= 0.1
Ca	ppm	<= 0.5
Cd	ppm	<= 0.05
Co	ppm	<= 0.02
Cr	ppm	<= 0.02
Cu	ppm	<= 0.02
Fe	ppm	<= 0.1
Mg	ppm	<= 0.1
Mn	ppm	<= 0.02
Ni	ppm	<= 0.02
Pb	ppm	<= 0.1
Zn	ppm	<= 0.1
Assay (GLC)	%	>= 99.5

Date

:11/01/2020

QUALITY CONTROL RESPONSIBLE

B. COULANGE (VDR)