

# Standard Analysis Certificate

**PRODUCT** :Ethanol RS HPLC Plus gradient  
**CODE** :412700  
**METHOD** :7718

TEST	U.M.	SPECIFICATION
Description	-	Clear colourless liquid
Identification	-	Positive
Density at 20° C	-	0.7893 ÷ 0.7899
Refractive index at 20°C	-	1.3602 ÷ 1.3622
Boiling point	° C	78.3 ÷ 78.8
Acidity or alkalinity	meq/g	<=0.0002
Water (K.F.)	%	<=0.05
Residue on evaporation	ppm	<=5
Assay (GLC)	%	>=99.9
Fluorescence	-	-
at 254 nm	ppb	<=2
at 365 nm	ppb	<=2
U.V. Transmittance	-	-
at 210 nm	%	>=25
at 220 nm	%	>=50
at 230 nm	%	>=75
At 240 nm	%	>= 85
at 250 nm	%	>=90
At 260 nm	%	>= 98
>= 270 nm	%	>= 99
Acetal + acetaldehyde	ppm(v/v)	<= 10
HPLC Gradient	-	-
At 235 nm	mAU	<= 5
At 254 nm	mAU	<= 2

Filtered at 0.2 micron

Date

:11/01/2020

**QUALITY CONTROL RESPONSIBLE**

**B. COULANGE (VDR)**