

# Technical Specification

**PRODUCT : Methanol RS For LC/MS**
**CODE : 414830**
**MOLECULAR WEIGHT :32.04**
**CAS N° : 67-56-1**
**FORMULA : CH3OH**

TEST	U.M.	SPECIFICATION
Description	-	Clear colourless liquid
Colour	APHA	<= 10
Identification (I.R.)	-	Positive
Refractive index at 20°C	-	1.327 - 1.331
Water (K.F.)	ppm	<= 200
Residue on evaporation	ppm	<= 2
Acidity	meq/g	<= 0.0003
Alcalinity	meq/g	<= 0.00006
Assay (GC)	%	>= 99.95
UV transmittance (1 cm , ref. w ater)	-	-
at 210 nm	%	>= 30
at 225 nm	%	>= 65
at 235 nm	%	>= 85
at 250 nm	%	>= 95
from 260 nm	%	>= 98
Fluorescence (quinine)	-	-
at 254 nm	ppb	<= 1
at 365 nm	ppb	<= 1
HPLC Gradient	-	-
at 235 nm	mAU	<= 2
at 254 nm	mAU	<= 1
Test LC-MS TIC (50-2000m/z) ESI (+)	-	-
Sensitive Impurities (reserpine)	ppb	<= 50
Metals compounds	-	-
Al	ppb	<= 50
Fe	ppb	<= 50
Na	ppb	<= 50
Ca	ppb	<= 50
Mg	ppb	<= 50
K	ppb	<= 50

Filtered at 0.1 micron

HPLC gradient : H2O/Methanol from 5 to 90% in methanol, 16 min, flow 1.8ml/min.

Metals compounds : mesured at batch release

Suitable for UPLC-MS

It is under the customer responsibility to make sure the purchased product is suitable for his use and/or application.  
 CARLO ERBA Reagents would not be guilty of any misuse or mishandling of any of its products, occurring potential damages or user hurts in case of in