



**Scharlab S.L.**

Tel. int.: +34-93-7151811

Email: scharlab@scharlab.com

## CERTIFICATE OF ANALYSIS

Product: **Acetonitrile**, supragradient HPLC grade

Batch 17717112

**AC0331**

Quality release date 11/01/2017

Expiry date 1/2022

Analysis	Batch value	Specifications
assay (G.C.)	99,99 %	min. 99,9 %
identity (IR-spectrum)	passes test	passes test
density (20°/4°)	0,7821	0,779 - 0,783
acidity	0,00013 meq/g	max. 0,0002 meq/g
alkalinity	0,00010 meq/g	max. 0,0001 meq/g
residue on evaporation	0,0001 %	max. 0,0001 %
water (K.F.)	0,0100 %	max. 0,01 %

min. transmission/max. absorbance

in a 1,0 cm cell at

wavelength:	T(%) A (AU)	T(%) A (AU)
195 nm	83,4 % 0,079 AU	80 % 0,097 AU
200 nm	95,0 % 0,022 AU	95 % 0,022 AU
210 nm	97,0 % 0,013 AU	97 % 0,013 AU
220 nm	98,0 % 0,009 AU	98 % 0,009 AU

gradient grade (210 nm)

maximum peak absorbance: 0,0010 AU 0,0015 AU

maximum background absorbance: 0,0100 AU 0,01 AU

fluorescence analysis:

maximum absorbance: 1 ppb as quinine

(in 0,1 N sulfuric acid), for the spectra

recorded at the following conditions:

EX wavelength between 220 and 450

EM wavelength between 250 and 550

Microfiltered through membranes

of pore diameter 0,22 µm