

TIQ-F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Tetrahydrofuran 99.5 % AR (Stabilized)

Catalog Number : B-3071

Batch Number : 3071-00000000

CAS Number : 109-99-9

Molecular Weight : 72.11 g/mol

Mol. Formula : C₄H₈O

Expire Date : 60 Months

SAMPLE

No	Test	Specifications	Results
1	Appearance	A Clear colorless liquid	A Clear colorless liquid
2	Assay (GC,area %)	min 99.5 %	99.95%
3	Identity (IR)	conforms	conforms
4	Color	max 10 Hazen	< 10 Hazen
5	Wt.per ml at 20 °C	0.885 - 0.895 g/cm ³	0.888 g/cm ³
6	Refractive index (n _D ²⁰)	1.407 - 1.409	1.408
7	Free acid (as acetic acid)	max 0.001 %	0.0003%
8	Non-volatile matter	max 0.001 %	0.00065%
9	Water (H ₂ O)	max 0.03 %	0.014%
10	Aluminium (Al)	max 0.00005 %	< 0.00005 %
11	Barium (Ba)	max 0.00001 %	< 0.00001 %
12	Boron (B)	max 0.000002 %	< 0.000002 %
13	Cadmium (Cd)	max 0.000005 %	< 0.000005 %
14	Calcium (Ca)	max 0.00005 %	< 0.00005 %
15	Chromium (Cr)	max 0.000002 %	< 0.000002 %
16	Cobalt (Co)	max 0.000002 %	< 0.000002 %
17	Copper (Cu)	max 0.000002 %	0.0000011%
18	Iron (Fe)	max 0.00001 %	< 0.00001 %
19	Lead (Pb)	max 0.00001 %	< 0.00001 %
20	Magnesium (Mg)	max 0.00001 %	0.0000086%
21	Manganese (Mn)	max 0.000002 %	0.0000015%
22	Nickel (Ni)	max 0.000002 %	< 0.000002 %
23	Tin (Sn)	max 0.00001 %	< 0.00001 %
24	Zinc (Zn)	max 0.00001 %	0.0000075%
25	Peroxide (as H ₂ O ₂)	max 0.015 %	0.0048%

Corresponds to AR / ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specificationSUDIRO S.Si.
Manager QC