

TIQ- F-QC-001 Rev.00

## Certificate Of Analysis



Product Name : Chlorobenzene 99.5% AR

Catalog Number : B-3109

Batch Number : 3109-00000000

CAS Number : 108-90-7

Molecular Weight : 112.56 g/mol

Mol. Formula : C<sub>6</sub>H<sub>5</sub>Cl

Expire Date : 60 months

No	Test	Specifications	Results
1	Appearance	A clear colorless liquid	A clear colorless liquid
2	Solubility	miscible with methanol, forming clear and colorless solution	Complies
3	Assay (by GC)	min 99.5 %	99.862%
4	Colour	max 10 Hazen	< 10 Hazen
5	Wt.per ml at 20 °C	1.105 - 1.107 g/cm <sup>3</sup>	1.107 g/cm <sup>3</sup>
6	Refractive index (n <sup>20</sup> <sub>D</sub> )	1.524 - 1.525	1.524
7	TBN (Total Base Number)	passes test	passes
8	Free acid	max 0.0002 meq/ml	0.00015 meq/ml
9	Free alkali	max 0.0002 meq/ml	Nil
10	Non-volatile matter	max 0.005 %	0.00052%
11	Water (H <sub>2</sub> O)	max 0.05 %	0.0287%
12	Copper (Cu)	max 0.00005 %	< 0.00005 %
13	Iron (Fe)	max 0.00005 %	< 0.00005 %
14	Lead (Pb)	max 0.00005 %	< 0.00005 %

Corresponds to AR/ACS Grade

**LABOTIQ** In-house product specification, referenced to Analar standard and ACS specification

SUDIRO S.Si.  
Manager QC