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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Malic Acid Impurity 15**

### Identification:

Chemical Name: (S)-2-chlorosuccinic acid

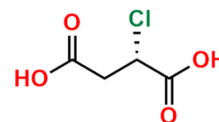
Synonyms : NA

CAS Number : 4198-33-8

CAT Number : CP-M223006

Molecular Formula : C<sub>4</sub>H<sub>5</sub>ClO<sub>4</sub>

Molecular Weight : 152.53



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure



### Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Manager QC Analytical)

### Approved By

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.