

# CERTIFICATE OF ANALYSIS

(Certificate No. KMM001403-01)

Release Date: 30/11/2024

Re-test Date: 29/11/2027

## 4'-Nitro-L-tartranilic Acid

### Identification

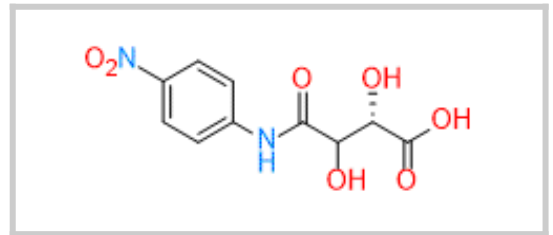
**Chemical Name :**  
(2S)-2,3-dihydroxy-4-((4-nitrophenyl)amino)-4-oxobutanoic acid

**CAT No.** : KMM001403

**CAS No.** : 60908-35-2

**Molecular Formula** : C<sub>10</sub>H<sub>10</sub>N<sub>2</sub>O<sub>7</sub>

**Molecular Weight** : 270.20



### Analytical Information

**Batch No.** : M001403-091-052

**Description** : Off White Solid

**HPLC Purity** : 99.92 %

**Weight Loss By TGA** : 0.71 %

**% Potency** : 99.21 %

**Solubility** : ACN : Water (1:1)

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be shipped at room temperature

**% Potency** = [100 - 0.71(Weight Loss By TGA)] x [99.92(HPLC Purity)]/100 = 99.21 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		02/12/2024
Reviewed & Approved By	Quality Control	Jatin Patel		02/12/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA