

# CERTIFICATE OF ANALYSIS

(Certificate No. KMT027001-01)

Release Date: 17/07/2024

Re-test Date: 16/07/2027

## DTTSC WORKING STANDARD

### Identification

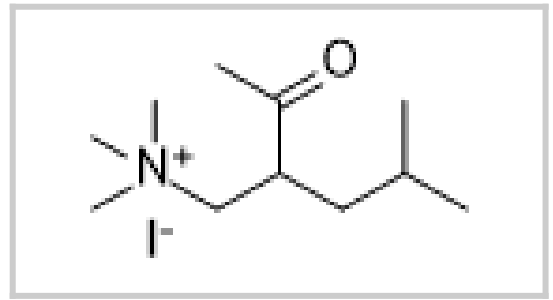
**Chemical Name :**  
2-acetyl-N,N,N,4-tetramethylpentan-1-aminium iodide

**CAT No.** : KMT027001

**CAS No.** : 1069-62-1

**Molecular Formula** : C<sub>11</sub>H<sub>24</sub>NO : I

**Molecular Weight** : 186.31 : 126.9



### Analytical Information

**Batch No.** : DTTSC-STD-073-297

**Solubility** : ACN

**Description** : White Solid

**Mass** : Confirm

**HPLC Purity** : 99.79 %

**IR** : Confirm

**Weight Loss By TGA** : 0.45 %

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

**% Potency** : 99.34 %

### 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 - 0.45(Weight Loss By TGA)] x [99.79(HPLC Purity)]/100 = 99.34 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		17/07/2024
Reviewed & Approved By	Quality Control	Jatin Patel		17/07/2024

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