

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMT027001-01)

**Release Date:** 17/07/2024

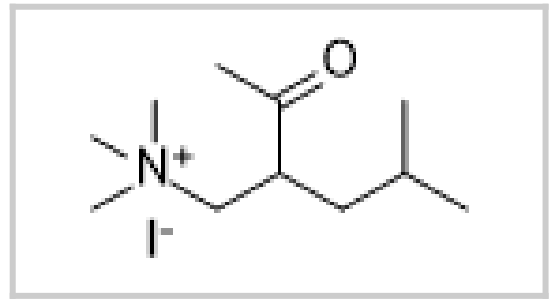
**Re-test Date:** 16/07/2027

## **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**

<b>Batch No.</b>	: DTTSC-STD-073-297	<b>Solubility</b>	: ACN
<b>Description</b>	: White Solid	<b>Mass</b>	: Confirm
<b>HPLC Purity</b>	: 99.79 %	<b>IR</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.45 %	<b>1H NMR</b>	: Confirm
<b>% Potency</b>	: 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

	<b>Department</b>	<b>Name</b>	<b>Signature</b>	<b>Date</b>
<b>Prepared By</b>	Analytical	Jignesh Patel		17/07/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		17/07/2024

**Attachments** : COA, HPLC, MASS, 1HNMR, IR and TGA