

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Benzophenone-3
<b>Product Code</b>	AL00149
<b>INCI Name</b>	Benzophenone-3
<b>CAS Number</b>	131-57-7
<b>Lot Number</b>	20240905001
<b>Manufacture Date</b>	09/2024
<b>Re-test Date</b>	09/2026

Item	Specification	Result
Appearance	Pale greenish yellow crystalline powder	Conform
Odor	Similar in character and intensity to standard, very slight odor	Conform
Assay (HPLC, %)	97.0 - 103.0	99.7
Congealing Temperature (°C) min	62.0	62.5
Loss of drying (%) max	0.2	0.1
Impurity (GC, %) max		
- Total impurities	1.0	0.2
- Benzophenone-1	0.2	0.02
- Individual impurity	0.10	0.03
Residual solvents (ppm) max	Ethanol: 5000	986
Specific extinction (1%, 1cm)	$E_{288} \geq 630$ $E_{325} \leq 410$	636 414
Melting Point	62.0 - 65.0 [°C]	62.2 - 62.4
Heavy metals (as Pb)	5 max. [ppm]	Conform
Color (Gardner)	4.0 max.	3.1

### STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight.  
 When stored for a period longer than the one specified above, quality should be checked before use.

**As it is electronically generated document, hence no signature required**

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