

CERTIFICATE OF ANALYSIS

Product Name	Benzophenone-3
Product Code	AL00149
INCI Name	Benzophenone-3
CAS Number	131-57-7
Lot Number	ZE0244250512001
Manufacture Date	05/2025
Re-test Date	05/2027

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	99.5
Congealing Temperature (°C) min	62.0	62.4
Loss of drying (%) max	0.2	0.13
Impurity (GC, %) max		
- Total impurities	1.0	0.2
- Benzophenone-1	0.2	0.02
- Individual impurity	0.10	0.025
Residual solvents (ppm) max	Ethanol: 5000	985
Specific extinction (1%, 1cm)	$E_{288} \geq 630$ $E_{325} \leq 410$	646 423
Melting Point	62.0 - 65.0 [°C]	62.1 - 62.3
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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