

**Qualikems**

Qualikems Lifesciences Pvt. Ltd.

(Formerly known as Qualikems fine chem Pvt Ltd)

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CERTIFICATE OF ANALYSIS

Name of Product	: Diphenylamine	CAS No.	: 122-39-4
Molecular Formula	: C ₁₂ H ₁₁ N	Molecular Weight	: 169.23 g/mole
Batch No.	: QF2505022	Grade	: AR
Mfg. Date	: May-2025	Retest Date	: April -2030

Sr. No.	Tests	Specification	Observation
1	Appearance	White to off white flakes/powder, darkening on exposure to light	Complies
2	Assay	Min 99.0%	99.81 %
3	Melting point	52.5-54° C	53.2 °C
4	Solubility in ethanol	To Passes Test	Passes
5	Sulphated ash	Max 0.03%	0.01%
6	Nitrate (NO ₃)	To Passes Test	Passes
7	Aniline (C ₅ H ₅ .NH ₂)	Max 0.01%	0.006%
8	Sensitivity for nitrate (NO ₃)	Min 1:1600000	Complies
9	Copper (Cu)	Max 0.001%	0.0004%
10	Iron (Fe)	Max 0.001%	<0.001%
11	Nickel (Ni)	Max 0.001%	0.0006%
12	Lead (Pb)	Max 0.001%	0.0004%

Conclusion: Product complies as per above specification.

Note: This document has been produced electronically and it is valid without signature.

Quality of our product tested and reported in the COA are as per the specification and without any prejudice/liability what so ever the end product performance

(An ISO 9001 : 2015 & 14001 : 2015 & 45001:2018 Certified Company)

NSIC - CRISIL SE 2B which indicates " High Performance Capability & Moderate Financial Strength