

CERTIFICATE OF ANALYSIS

1. Basic Information

Chemical Name:

Diethyl-4-methylbenzylphosphonate

CAS Number: 3762-25-2

Molecular Weight: 242.25

Formula: C₁₂H₁₉O₃P

Batch Number: 2025021401

Manufacturing Date: Feb,14th,2025

Quantity: 2KG

Retest Date: Feb,13th,2026

2. Physical Characteristics

Items	Standard	Result
Appearance	Colorless to light yellow liquid	Conform
Assay (HPLC)	>98.0%	98.7%
Solubility	Soluble in methanol、 ethanol etc.	Conform
Specific Gravity	1.068-1.074	1.072
PH	6.5-7.5	7.3
Organic impurities	Any individual impurity \leq 1.0	< 1.0
	Total impurities \leq 2.0	< 2.0
Conclusion	Comply with the standards	

QC Manager: Liu Si

Checker: Hu Kai

Approved: Shao Jin