

Regd. Office & Works :
W-11 & W-23, M.I.D.C., Phase 2,
Dombivli (E) - 421 204. Maharashtra, India.



DEEPAK FERTILISERS
AND PETROCHEMICALS
CORPORATION LIMITED

CERTIFICATE OF ANALYSIS

Sr. No.	007-2024	Date	22/01/2024
Product	Acetone BP	Quantity	113 X 160 Kgs.
Batch No.	R9090124		
Mfg. Date	19/Jan/2024	Exp. Date	18/Jan/2027
Storage	Protected form Light.		
Customer	Deepak Fertilisers & Petrochemicals Corporation Ltd.		
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Sr. No.	Test	Specification	Observation
01	Appearance	Volatile clear, colourless liquid.	Complies
02	Solubility	Miscible with water and with ethanol (96%).	Complies
03	Identification		
a	Relative density at 20°C	0.790 to 0.793 at 20°C	0.7922 at 20°C
b	Chemical test	An intense red colour is produced which becomes violet with the addition of 3.5ml of acetic acid R.	Complies
c	Chemical test	A greenish-blue color should be produced.	Complies
04	Appearance of solution	The solution is clear and colourless.	Complies
05	Acidity or alkalinity	On addition of 0.5ml of 0.01M sodium Hydroxide, solution should be pink.	Complies
		On addition of 0.7ml of 0.01M hydrochloric acid, solution should be red or orange.	Complies
06	Relative density at 20°C	0.790 to 0.793 at 20°C	0.7922 at 20°C
07	Reducing substances	The mixture should not be completely decolourised.	Complies
08	Related substances (By GC)		
	a) Impurity A (Methanol)	Not more than 0.05% v/v	0.019 % v/v
	b) Impurity B (2-Propanol)	Not more than 0.05% v/v	0.00002 % v/v
	c) Impurity C (Benzene)	Not more than 2 ppm v/v	0.11ppm v/v
	d) Any other Impurity	Not more than 0.05% v/v	0.002% v/v
09	Matter insoluble in water	The solution should be clear.	Complies
10	Residue on evaporation	Maximum 50 ppm	15 ppm
11	Water	Maximum 3 g/L	2.7 g/L
Remark : The sample passes as per BP specification & IS 170 : 2020			

Prepared By		Approved By	
QC Chemist	Ms. Harname	QC Manager	Mr. Shejval.