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CERTIFICATE OF ANALYSIS

1. PRODUCT NAME	DJ diol-5
2. INCI NAME	1,2-Pentanediol
3. LOT NO.	CDP250601
4. MANUFACTURE DATE	Jun. 23, 2025
5. EXPIRATION DATE	Jun. 22, 2027
6. QUANTITY	1,920kg

Analysis Items	Specification	Result	Method	
1. Appearance	Colorless Liquid	Confirm	Visual test	
2. Purity	Min. 99.5 %	99.75	G.C test method	
3. Specific Gravity(d ²⁰ ₂₀)	0.965 ~ 0.985	0.970	KCID test method	
4. Water Content	Max. 0.5 %	0.25	KCID test method	
5. Heavy Metals	Pb	Max. 20 ppm	Not Detected	ICP test method
	Ni	Max. 35 ppm	Not Detected	ICP test method
	As	Max. 10 ppm	Not Detected	ICP test method
	Sb	Max. 10 ppm	Not Detected	ICP test method
	Cd	Max. 5 ppm	Not Detected	ICP test method
	Hg	Max. 1 ppm	Not Detected	ICP test method
6. Methanol (V/V)	Max. 0.2 %	Not Detected	G.C test method	
7. 1,4-dioxane	Max. 100 ppm	Not Detected	G.C test method	
8. Formaldehyde	Max. 2000 ppm	Not Detected	G.C test method	
9. Phthalate (DEHP,DBP,BBP)	Max. 100 ppm	Not Detected	G.C test method	

- Storage Condition : Sealed containers should be stored at cool and dark place,
Quality might be affected after unpacking.
Unpacked contents may be contaminated by storage conditions
and the quality consistency will be no more guaranteed in this case

2025.11.20

APPROVED BY

MANAGER OF QUALITY CONTROL Jeon Yong Deok

전용덕