

ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

1. Name of the Product	Alizarin
2. Other Names:	1,2-Dihydroxyanthracene-9,10-dione
3. CAS Number	72-48-0
4. Formula	C ₁₄ H ₈ O ₄
5. Mol. Weight	240.22
6. Batch No & Mfg. Date	As mentioned on Label
7. Date Of Exp	3 Years From MFG Date
8. Date of Analysis	July-2024

Sr.	Tests	Specifications	Results
1	Appearance	Orange colored powder	Orange colored powder
2	pH 5.5- 6.8	Yellow to reddish-violet	Passes test
3	Absorption maxima (max1) c= 0.01 g/L ; 0.1 NaOH	564 - 568 nm	567.5 nm
4	Absorption maxima (max2) c= 0.01 g/L ; 0.1 NaOH	605 - 609 nm	608.0 nm
5	Absorptivity (A 1%/1cm; at max2)	Min 525	579
6	Sulphated ash	Max 1%	0.84%
7	Loss on drying	Max 5%	0.82%
8	Absorptivity (A 1%/1cm; at max1)	Min 625	667