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Certificate of Analysis

| | |
|--------------------------|--|
| Catalogue Number | 38007 |
| Lot Number | 003483-031-00723 |
| Product | Lumefantrine Benflumetol (9Z)-2,7-Dichloro-9-[(4-chlorophenyl)methylene]-a-[(dibutylamino)] |
| CAS Number | 82186-77-4 |
| Molecular Formula | C ₃₀ H ₃₂ Cl ₃ NO |
| Molecular Weight | 528.94 |

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|-------------------------------|---|
| Appearance | Yellow crystalline powder |
| Clarity & Color | Clarity : The sample solution shows the same or more clarity than water, dichloromethane, or the standard suspension. |
| Solubility | Practicaly in soluble in water, soluble in chloroform, in dichloromethane, slightly soluble in methanol |
| Loss on Drying | 0.23% |
| Residual Solvents | Methanol : 317 ppm Acetone : 295 ppm Methylene dichloride : 119 ppm |
| Related Substances | Desbutyl lumefantrine : < 0.05% Any other individual impurity : 0.052% Total impurities : 0.16% |
| Residue On Ignition | 0.049% |
| Purity by HPLC | 99.15% |
| Grade | Meets USP Specification |
| Storage | Store at 2 - 8 °C |
| Additional Information | Identification : Test for A : Infrared spectrum : Conforms to structure Test for B : Passes test |

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager