

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	38472
<b>Lot Number</b>	001448-180229
<b>Product</b>	<b>Amphotericin B from Streptomyces species</b> Fungizone
<b>CAS Number</b>	1397-89-3
<b>Molecular Formula</b>	C <sub>47</sub> H <sub>73</sub> NO <sub>17</sub>
<b>Molecular Weight</b>	924.1

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<b>Appearance</b>	Yellow powder
<b>Solubility</b>	Insoluble in water, anhydrous alcohol, ether, benzene, propylene glycol and in toluene. Soluble in dimethylsulphoxide, slight soluble in dimethylformamide, very slightly soluble in methanol
<b>Odor</b>	Practically odorless
<b>pH</b>	4.40
<b>Yeast and Mold</b>	Not detected in 1:10 dilution (TYMC)
<b>Loss on Drying</b>	3.75%
<b>Residual Solvents</b>	Methanol : 808 ppm Acetone : 205 ppm N,N-Dimethylformamide : 2776 ppm
<b>Bacterial Endotoxins</b>	< 1.0 EU/mg
<b>E. Coli, Salmonella, S.Aureus</b>	Absent
<b>Microbial Count</b>	30 cfu/g (TAMC)
<b>Pseudomonas Aeruginosa</b>	Absent
<b>Related Substances</b>	Amphotericin A : 0.0%
<b>Residue On Ignition</b>	0.09%
<b>Assay</b>	946 µg/mg (on dried basis)
<b>Grade</b>	suitable for cell culture
<b>Storage</b>	Store at 0 - 8 °C

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**Additional Information**

Identification:

UV absorbance in the range of 240 nm to 320 nm conforming to standard.

UV absorbance in the range of 320 nm to 400 nm conforming to standard.

**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**