

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	37776
Lot Number	002968-00424
Product	Phenytoin 5,5-Diphenylhydantoin 5,5-Diphenyl-2,4-imidazolidinedione
CAS Number	57-41-0
Molecular Formula	C ₁₅ H ₁₂ N ₂ O ₂
Molecular Weight	252.27

Appearance	White crystalline powder
Appearance of Solution	The solution is clear and not more intensely colored than reference solution BY6
Solubility	Practically insoluble in water, sparingly soluble in alcohol, very slightly soluble in methylene chloride. It dissolves in dilute solutions of alkali hydroxides
Heavy Metals	< 10 ppm
Acidity & Alkalinity	< 0.5 mL of 0.01 M HCl req. < 0.5 mL of 0.01 M NaOH req.
Infrared Spectrum	Conforms to structure
Loss on Drying	0.11%
Related Substances	Impurity C : Not detected Impurity D : 0.03% Impurity E : Not detected Unspecified impurity : 0.02% Total impurities : 0.05%
Sulfated Ash	0.02%
Assay	99.79% (On dried basis)
Grade	meets BP specification
Storage	Store at 2 - 8 °C
Country of Origin	India

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Catalog Number: 37776

Lot Number: 002968-00424

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