

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

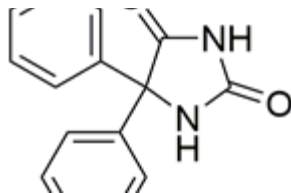
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	37776
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 to almost 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 0.01M HCl req. ≤ 0.5 mL of 0.01M NaOH req.
Infrared Spectrum	Conforms to structure
Loss on Drying	≤ 0.5% (At 100 - 105 °C)
Related Substances	Impurity E : ≤ 0.30% Impurity C : ≤ 0.20% Impurity D : ≤ 0.10% Unspecified impurity : ≤ 0.10% Total impurities : ≤ 0.50%
Sulfated Ash	≤ 0.1%
Assay	98 - 102% (On dried basis)
Storage	Store at 2 - 8 °C

For Laboratory Use Only