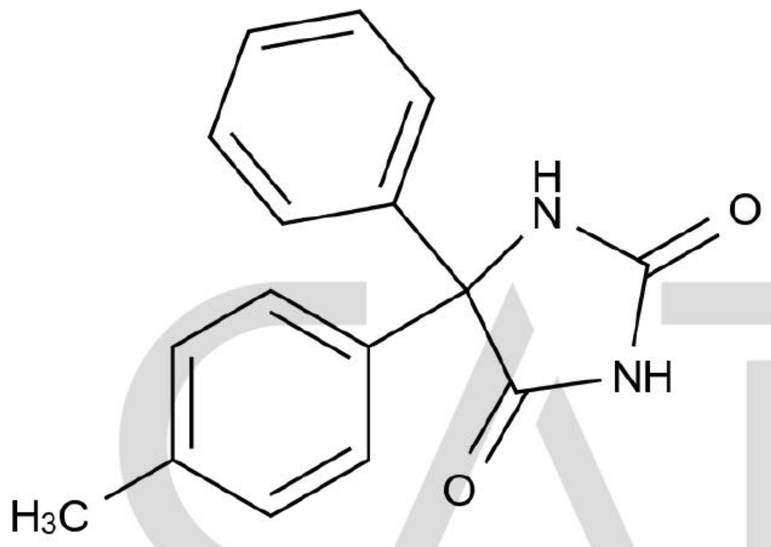
Certificate of Analysis

Reference Material & Standard

Product Name:	Phenytoin EP Impurity F	**Catalogue Number:**	C4X-186414
Synonyms:	N/A	**Lot Number:**	0322-RF-0028
CAS Number:	51169-17-6	**Expiry Date:**	Sep 19, 2030
Molecular Formula:	$C_{16}H_{14}N_2O_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	266.29	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.266%
Loss on Drying	TGA	0.0666%
Assay		98.2%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity HPLC (%) /100%*
Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Koi — Date: Sep 20, 2026

Reviewed by: Lisa — Date: Sep 20, 2026

Approved by General Manager: David — Date: Sep 20, 2026

CATO Research Chemicals Inc.