

Certificate of Analysis

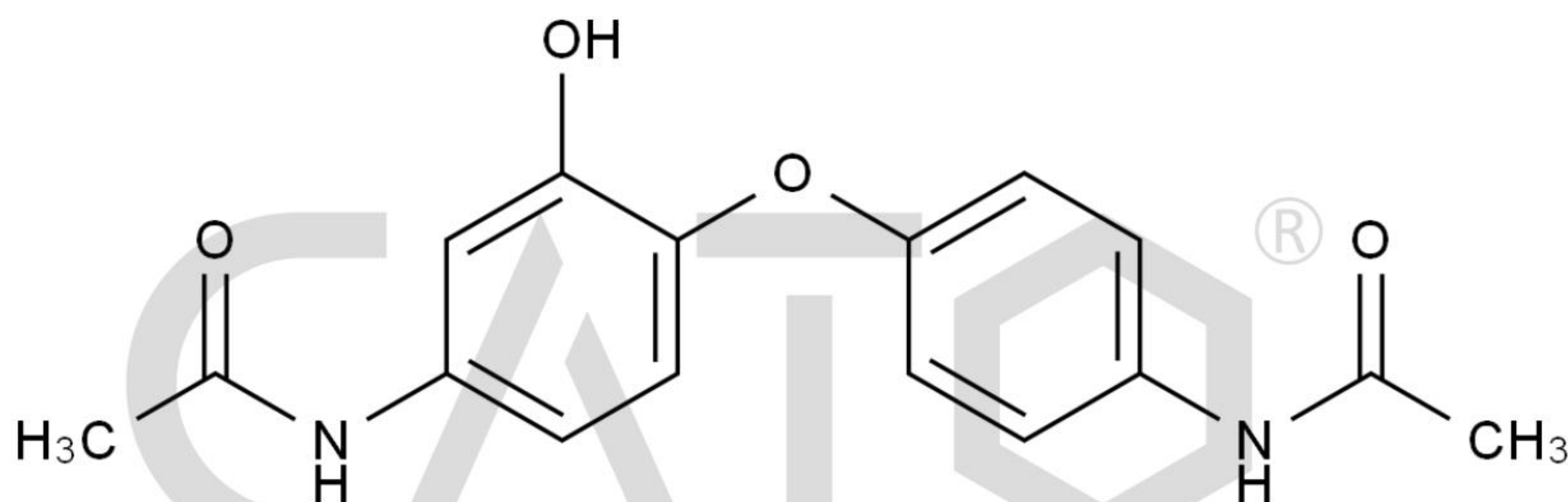
Reference Material & Standard

Product Name:	Paracetamol EP Impurity L	Catalogue Number:	C4X-121116
Synonyms:	N-[4-(4-Acetamido-2-hydroxyphenoxy)phenyl]acetamide	Lot Number:	0520-RH-0056
CAS Number:	2514961-29-4	Expiry Date:	May 31, 2030
Molecular Formula:	C ₁₆ H ₁₆ N ₂ O ₄	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	300.31	Shipping Condition:	Shipping at Room Temperature
Solubility:	Soluble in DMSO		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	98.141%
Residue on Ignition	TGA	0.3421%
Loss on Drying	TGA	1.0137%
Assay	qNMR	96.7%
Assay	Mass Balance	96.8%

Comment:

- The retest date of this product is May 31, 2029.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$
 Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Jun 01, 2026

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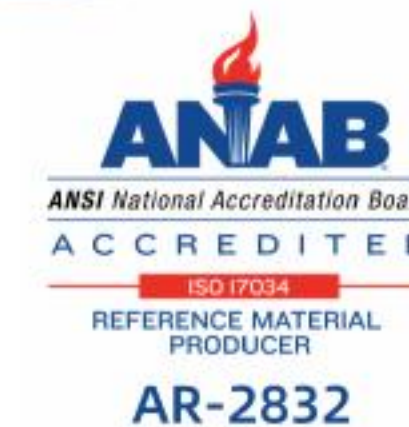
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Page 1 of 12



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