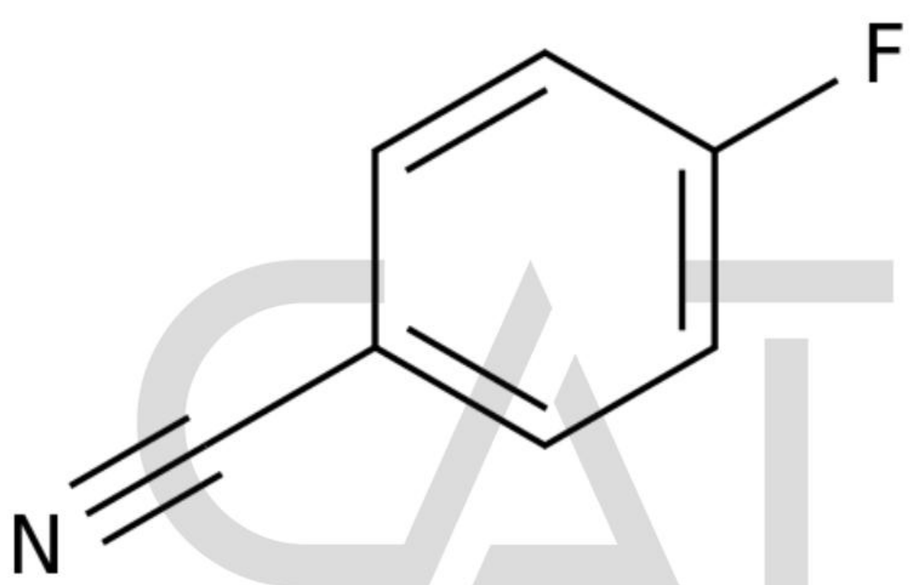
Certificate of Analysis

Reference Material & Standard

Product Name:	Crisaborole Impurity 46	**Catalogue Number:**	C4X-202146
Synonyms:	4-Fluorobenzonitrile	**Lot Number:**	0801-RF-0088
CAS Number:	1194-02-1	**Expiry Date:**	Nov 11, 2030
Molecular Formula:	C_7H_4FN	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	121.11	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Crystalline Solid
Identification	GCMS&HNMR	Confirmed
Purity	GC	99.714%
Water Content	Karl Fischer	0.2408%
Assay	Mass Balance	99.5%

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Comment:

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

Signature:

Prepared by: Koi Date: Nov 12, 2026

Reviewed by: Lisa Date: Nov 12, 2026

Approved by General Manager: David Date: Nov 12, 2026

CATO Research Chemicals Inc.