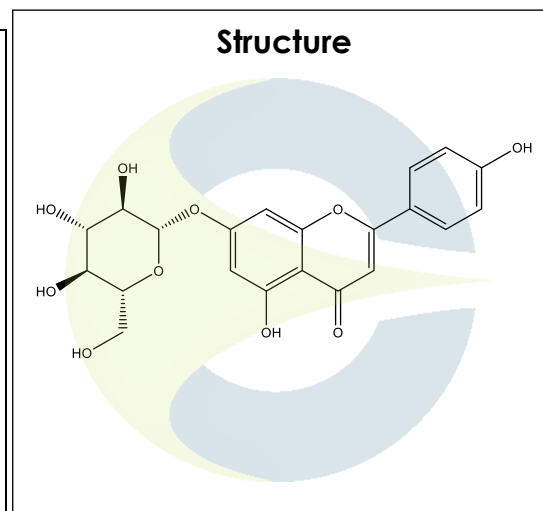


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PRODUCT NAME	Apigenin-7-O-glucoside
PART NUMBER	00003830
STANDARD TYPE	Primary (P)
LOT NUMBER	00003830-128
REPORT NUMBER	CDXA-RSS-8164-01
SAMPLE NUMBER	CDXP-18-00756
DATE OF SAMPLE	07/17/2018
DATE OF RE-EVALUATION	06/10/2022 (1 st)
DATE OF REPORT	07/13/2022



CHEMICAL NAMES	7-(β-D-Glucopyranosyloxy)-5-hydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one; Cosmocidin
CHEMICAL FORMULA	C ₂₁ H ₂₀ O ₁₀
MOLECULAR WEIGHT (MW)	432.38
CHEMICAL FAMILY	Flavanoids
CAS NUMBER	[578-74-5]
EC#(EINECS)	209-430-5
RTECS	DJ3087000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	92.7%
HPLC	0.700.10.2.METH22	≥ 90%	97.9%
NMR	99.1-04-2.0-000122	Conforms to structure	Conforms to structure
Mass Spectrum	99.1-04-3.0-000126	Conforms	Conforms
Residual Solvent*	99.1-CDXA-3.0-000621	NA	Methanol – 0.1%
Water	0.700.12.37	NA	5.2%
Appearance	NA	NA	Light yellow powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 92.7% IS BASED ON (100 - 0.1 SOLVENTS - 5.2 WATER) X 97.9% HPLC

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	06/2027 under the above conditions.

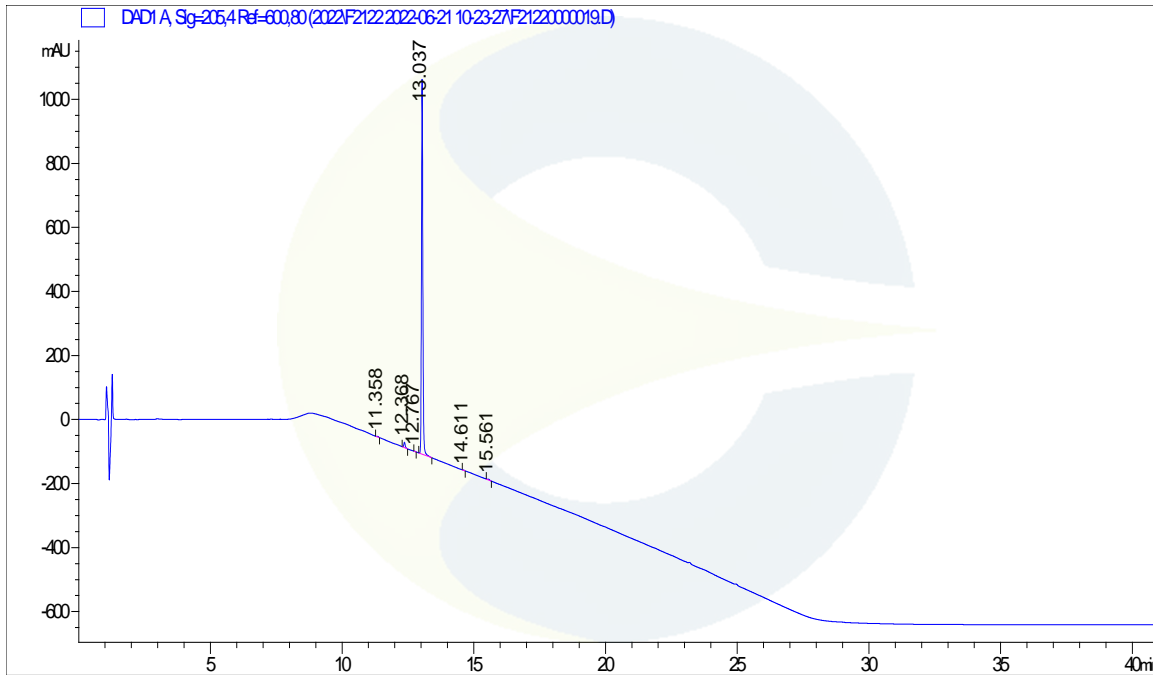
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
COLUMN	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size
MOBILE PHASE	A - 0.1% Trifluoroacetic acid in Ultrapure water, B - Acetonitrile; Isocratic 5% B for 5 minutes, then increasing to 95% B over 20 minutes. Hold at 95% B for 15 minutes, then decreasing to 5% B over 1 minute.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	0.4 µL
INJECTION CONC.	1.0 mg/mL in Methanol
DETECTION	205 ± 2 nm

HPLC CHROMATOGRAM OF APIGENIN-7-O-GLUCOSIDE (CDXP-18-00756)



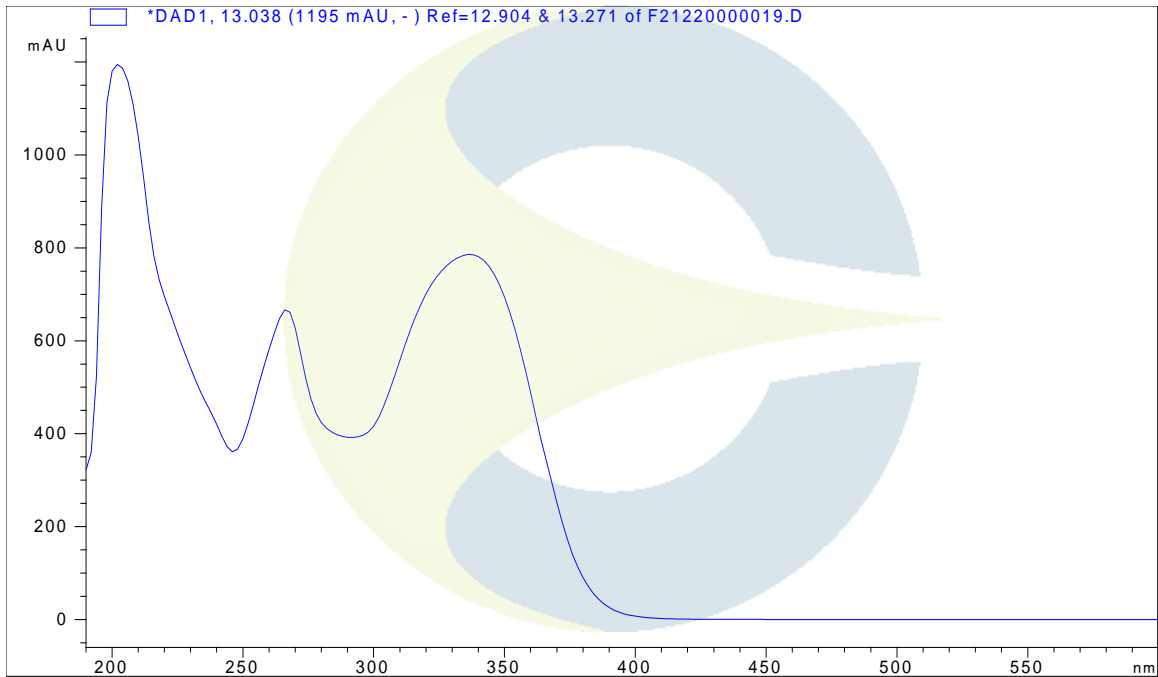
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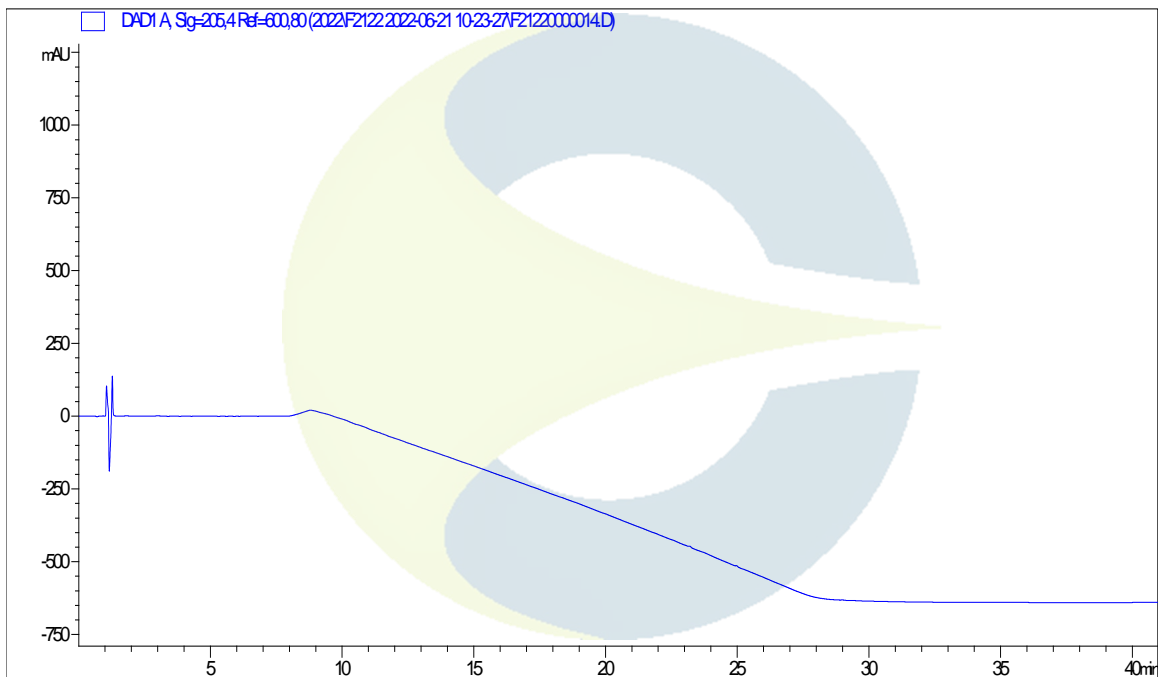
India Contact:
 Life Technologies (India) Pvt. Ltd.
 306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

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UV SPECTRUM AT RT = 13.0 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



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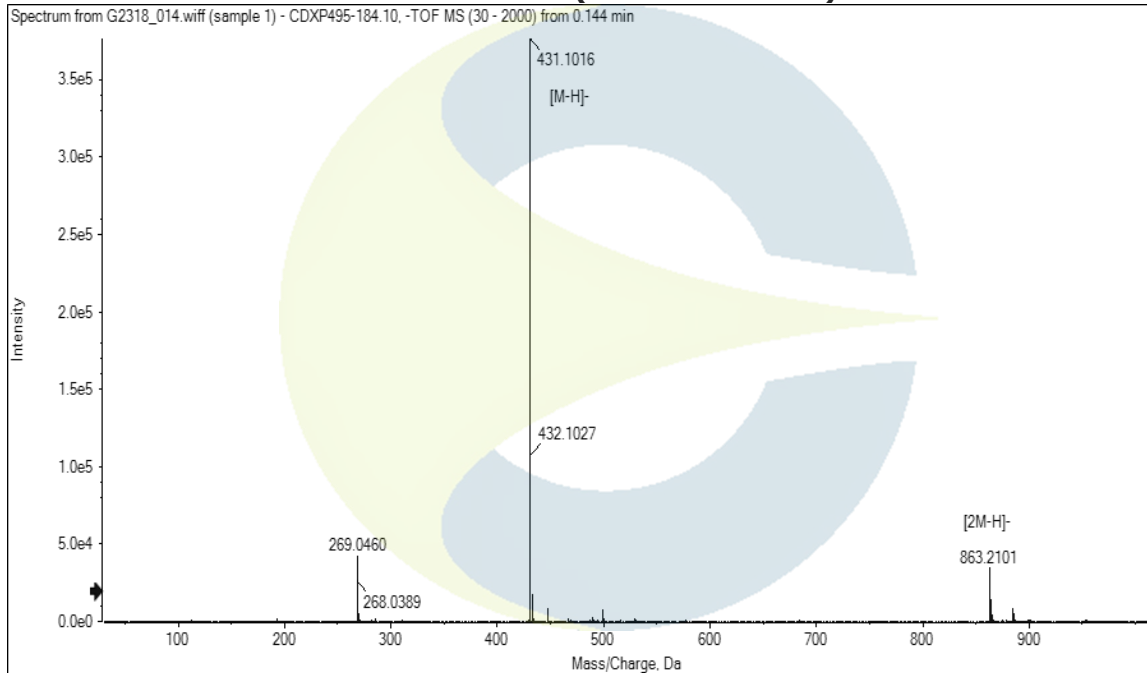
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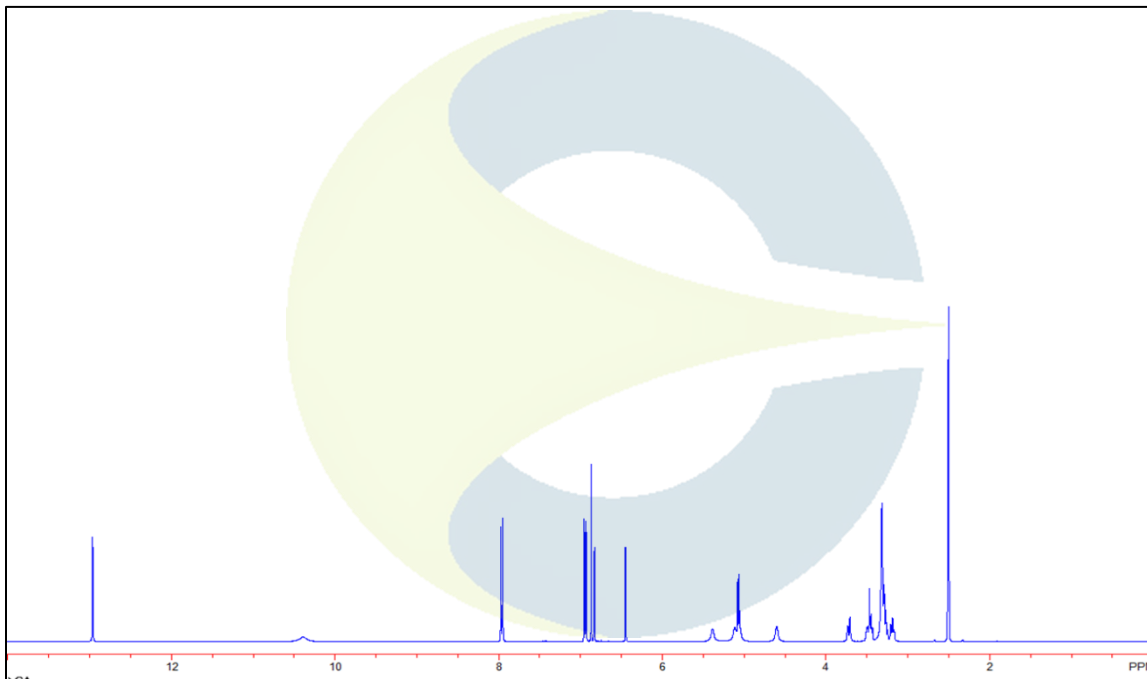
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MASS SPECTRUM OF APIGENIN-7-O-GLUCOSIDE (CDXP-18-00756)



¹H-NMR SPECTRUM OF APIGENIN-7-O-GLUCOSIDE (CDXP-18-00756) IN DMSO-d₆

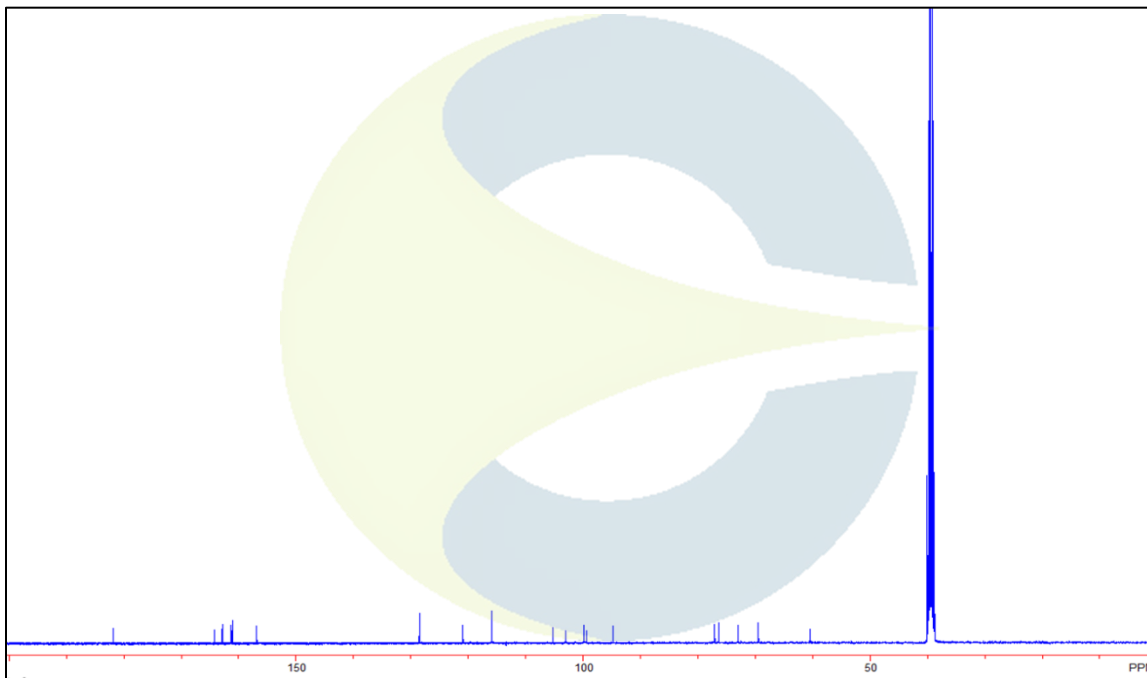


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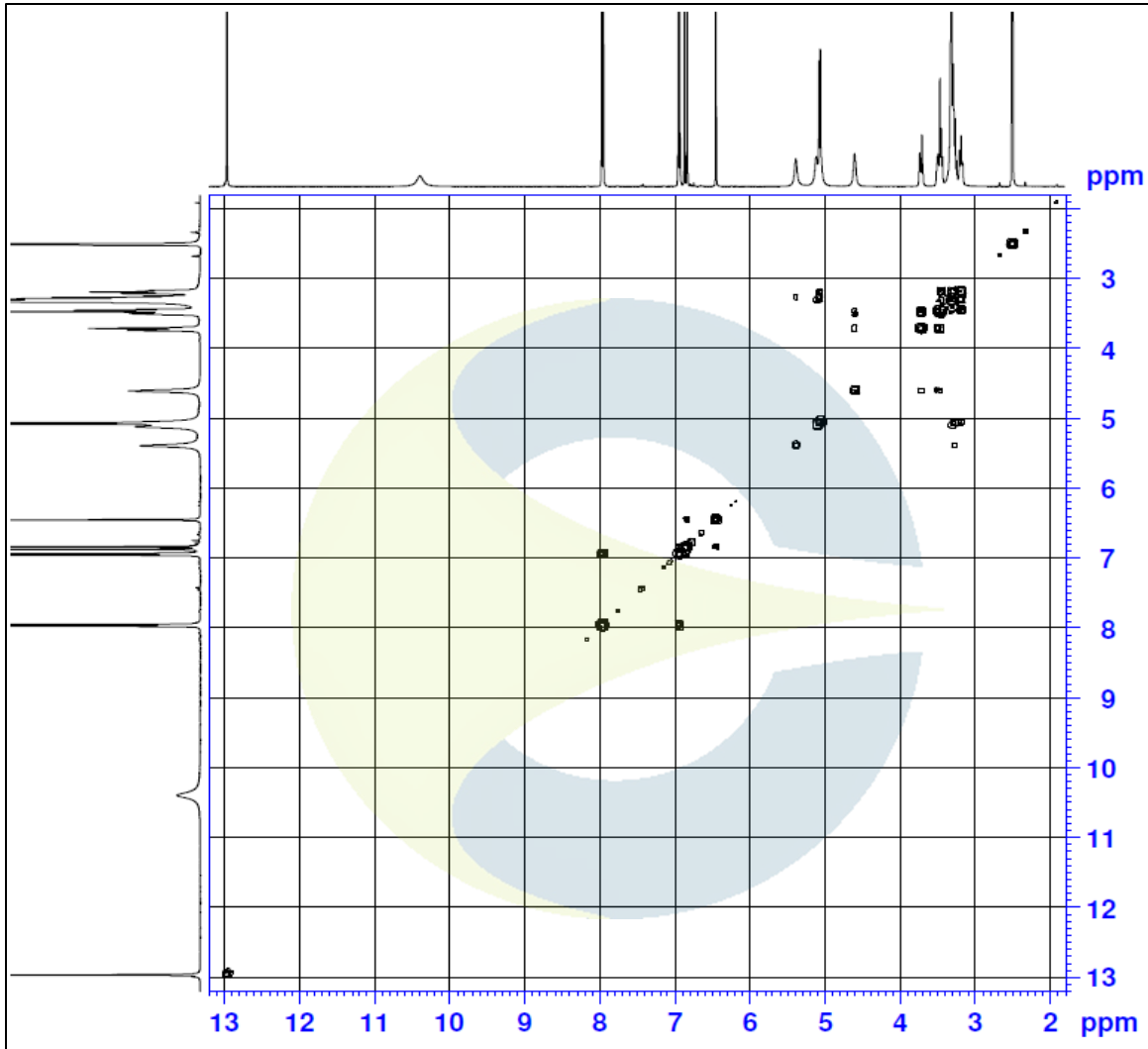
¹³C-NMR SPECTRUM OF APIGENIN-7-O-GLUCOSIDE (CDXP-18-00756) IN DMSO-d₆



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COSY-NMR SPECTRUM OF APIGENIN-7-O-GLUCOSIDE (CDXP-18-00756) IN DMSO-*d*₆

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	08/13/2018	New report
01	07/13/2022	Material passed re-evaluation. Updated analytical results, conditions, and chromatograms. Extended expiration date.

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