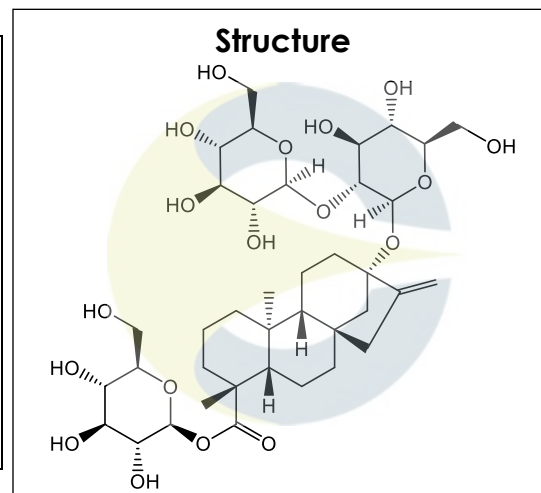


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<b>PRODUCT NAME</b>	Stevioside
<b>PART NUMBER</b>	00019351
<b>STANDARD TYPE</b>	Primary (P)
<b>LOT NUMBER</b>	00019351-726
<b>REPORT NUMBER</b>	CDXA-RSS-9115-00
<b>SAMPLE NUMBER</b>	CDXP-20-00579
<b>DATE OF SAMPLE</b>	08/04/2020
<b>DATE OF REPORT</b>	08/24/2020



<b>CHEMICAL NAMES</b>	(4 $\alpha$ )-13-[(2-O- $\beta$ -D-Glucopyranosyl- $\beta$ -D-glucopyranosyl)oxy]-kaur-16-en-18-oic acid $\beta$ -D-glucopyranosyl ester; Steviosin
<b>CHEMICAL FORMULA</b>	C <sub>38</sub> H <sub>60</sub> O <sub>18</sub>
<b>MOLECULAR WEIGHT (MW)</b>	804.87
<b>CHEMICAL FAMILY</b>	Diterpene glycosides
<b>CAS NUMBER</b>	[57817-89-7]
<b>EC#(EINECS)</b>	260-975-5
<b>RTECS</b>	NZ8175000

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	NA	94.6%
HPLC	0.700.10.2.METH86	NA	98.0%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	Ethanol – 0.4%
Water	0.700.12.37	NA	3.1%
Appearance	NA	NA	White powder

\*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 94.6% IS BASED ON (100 - 0.4 SOLVENTS - 3.1 WATER) X 98.0% HPLC

**STORAGE CONDITIONS**

<b>STORAGE</b>	+4 °C in a dry place.
<b>EXPIRATION DATE</b>	08/2025 under the above conditions.

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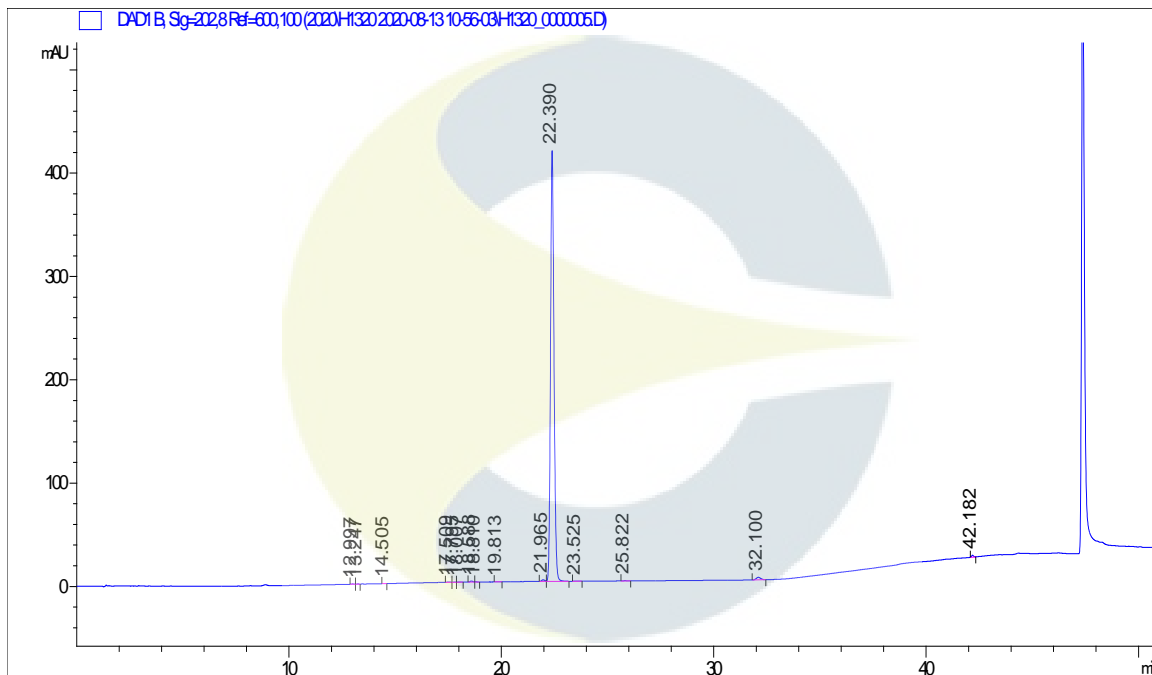
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## ANALYTICAL CONDITIONS

<b>INSTRUMENT</b>	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
<b>COLUMN</b>	Phenomenex Synergi Hydro-RP 250 x 4.6 mm, 4 µm particle size
<b>MOBILE PHASE</b>	A – High-purity water, B - Acetonitrile; Isocratic 20% B for 5 minutes, then increasing to 30% B over 10 minutes, then increasing to 35% over 15 minutes, then increasing to 80% over 10 minutes, then increasing to 90% B over 5 minutes. Hold at 90% B for 5 minutes. Decrease to 20% B over 1 minute.
<b>COLUMN TEMP.</b>	60 °C
<b>FLOW RATE</b>	1.0 mL/minute
<b>INJECTION VOL.</b>	10.0 µL
<b>INJECTION CONC.</b>	1.0 mg/mL in Water: ACN (70:30)
<b>DETECTION</b>	202 ± 4 nm

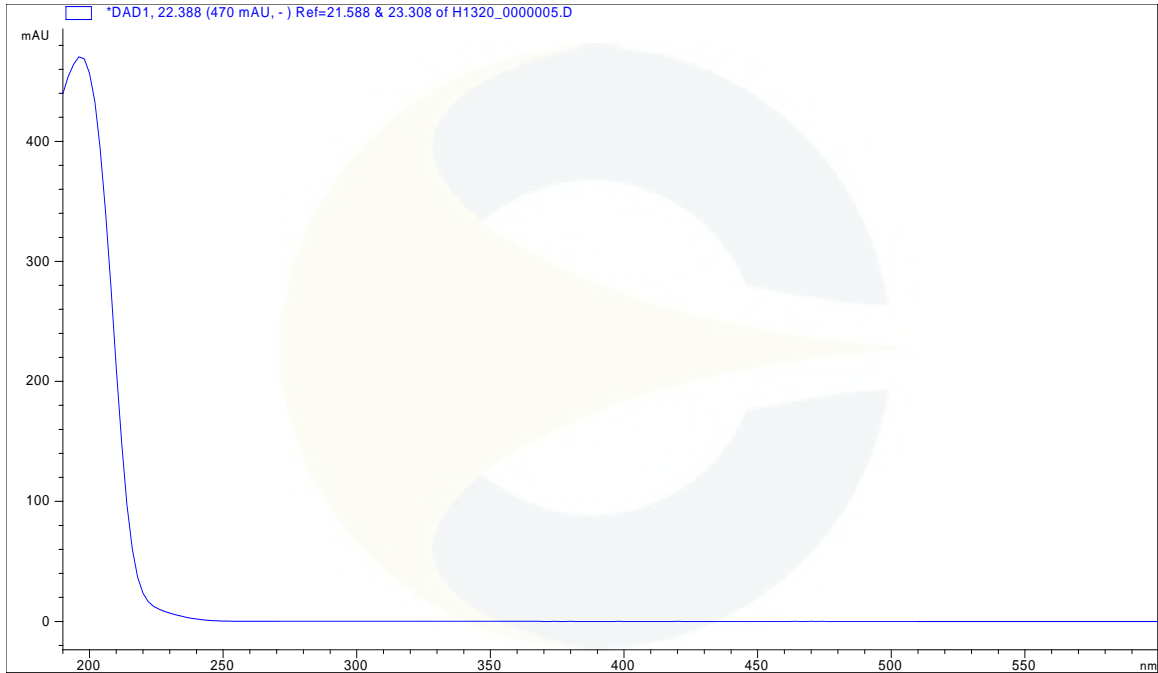
## HPLC CHROMATOGRAM OF STEVIOSIDE (CDXP-20-00579)



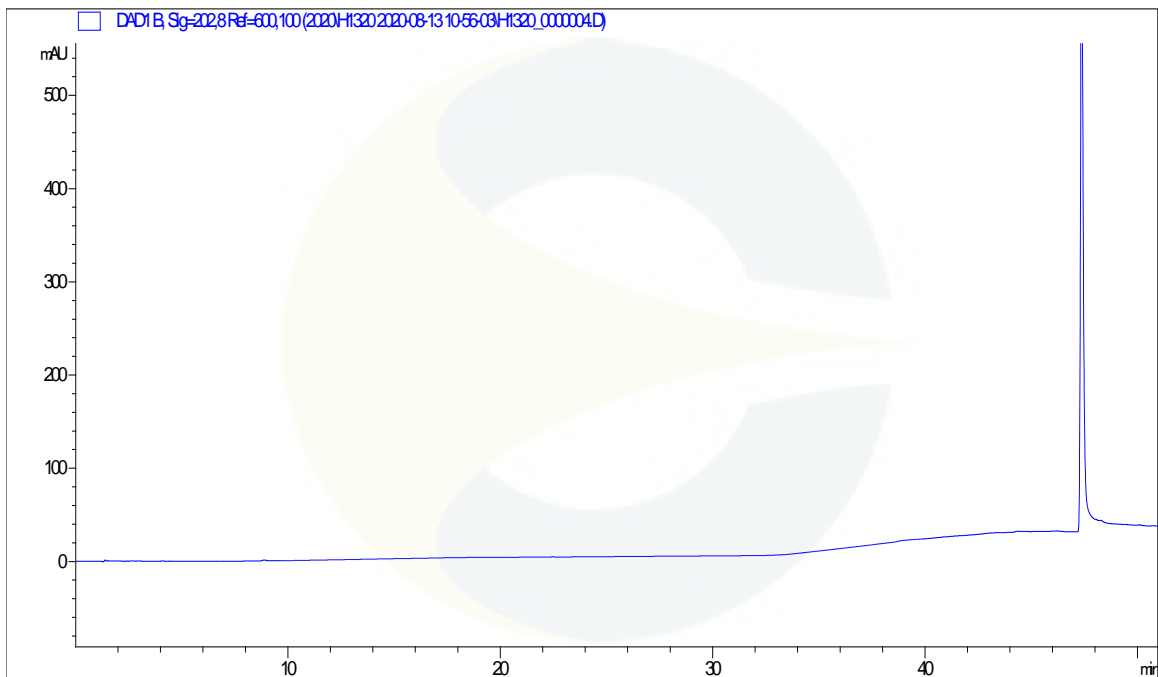
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**UV SPECTRUM AT RT 22.4 MINUTES**



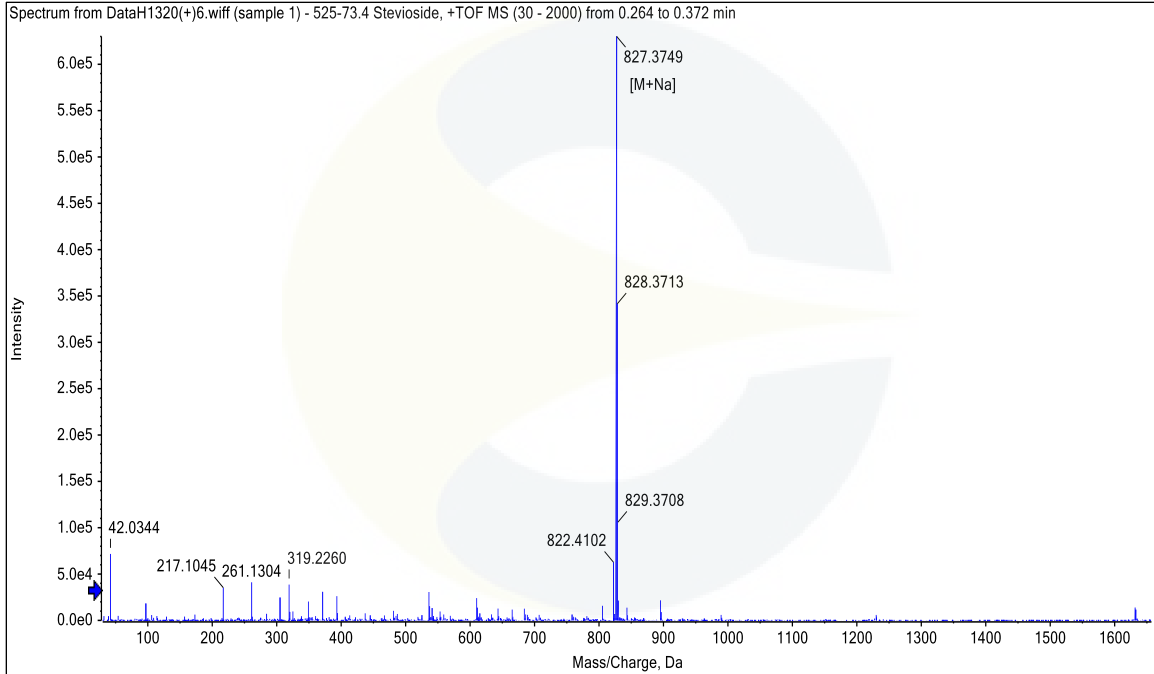
**HPLC CHROMATOGRAM OF DILUENT BLANK**



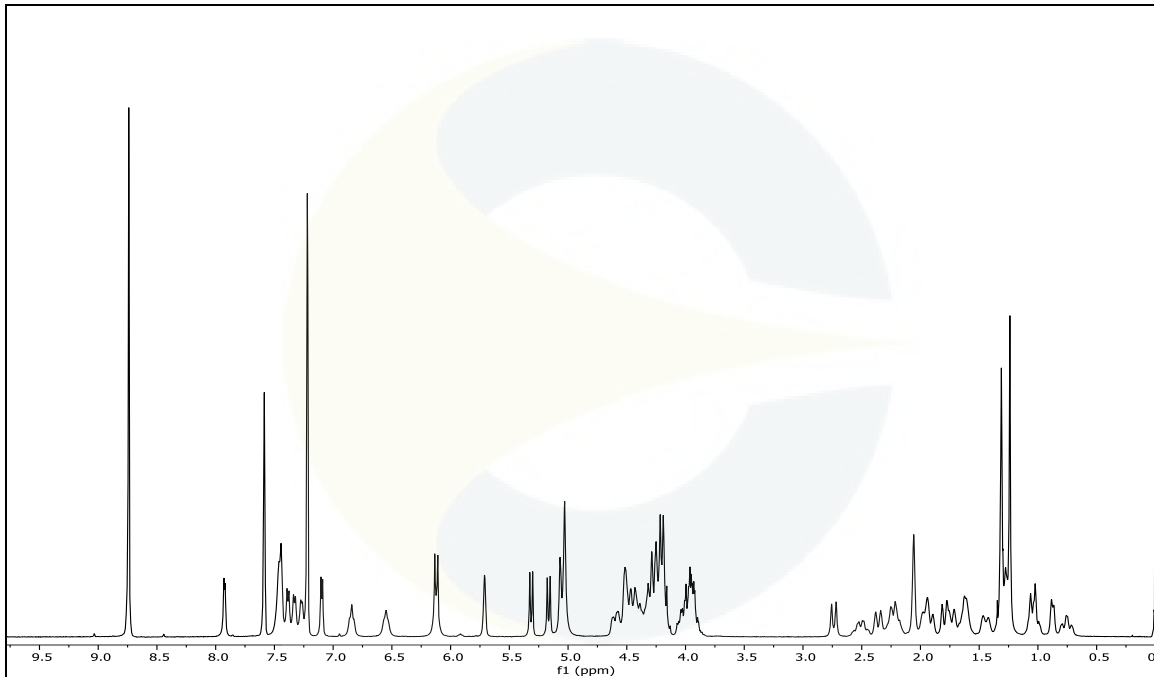
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**MASS SPECTRUM OF STEVIOSIDE (CDXP-20-00579)**



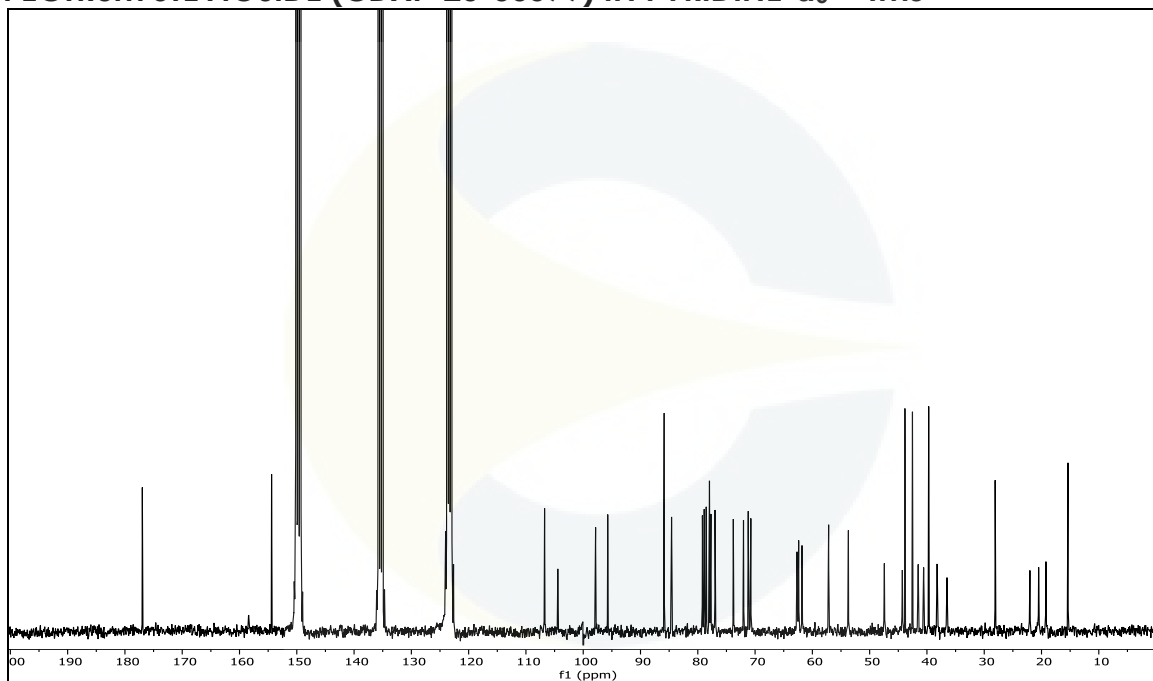
**<sup>1</sup>H-NMR SPECTRUM OF STEVIOSIDE (CDXP-20-00579) IN PYRIDINE-d<sub>5</sub> + TMS**



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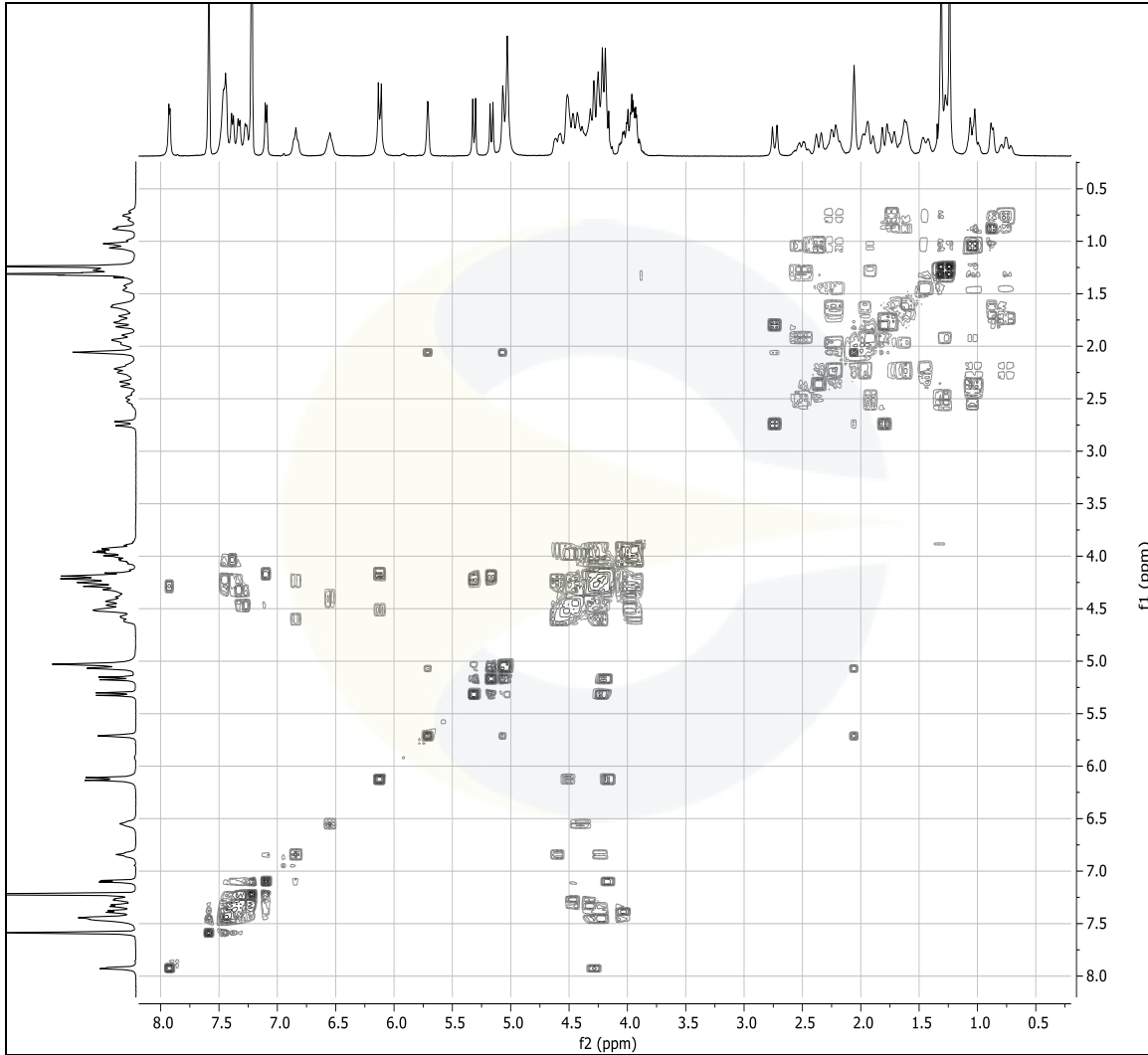
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**<sup>13</sup>C-NMR SPECTRUM STEVIOSIDE (CDXP-20-00579) IN PYRIDINE-*d*<sub>5</sub> + TMS**

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### COSY-NMR SPECTRUM OF STEVIOSIDE (CDXP-20-00579) IN PYRIDINE-d<sub>5</sub> + TMS



#### REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	08/24/2020	New report

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