

**INDOFINE Chemical Company, Inc.**

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HPLC**Batch: 87****CATECHIN KIT****020980S****IDENTIFICATION**

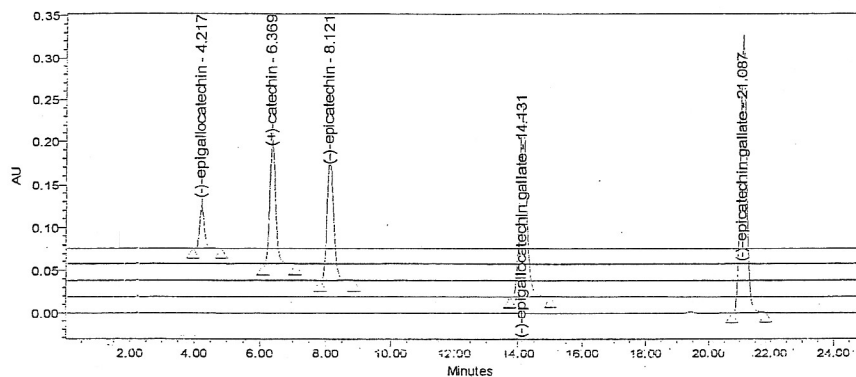
Reference	Name	CAS number	Molecular formula	Molecular weight
020976S	(+)-CATECHIN	[154-23-4]	C ₁₅ H ₁₄ O ₆	290.28
020977S	(-)-EPICATECHIN	[490-46-0]	C ₁₅ H ₁₄ O ₆	290.28
020978S	(-)-EPICATECHIN-3-GALLATE	[1257-08-5]	C ₂₂ H ₁₈ O ₁₀	442.38
020979S	(-)-EPIGALLOCATECHIN	[970-74-1]	C ₁₅ H ₁₄ O ₇	306.27
020981S	(-)-EPIGALLOCATECHIN GALLATE	[989-51-5]	C ₂₂ H ₁₈ O ₁₁	458.38

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)

Column: Symmetry Shield RP18® (4.6 x 150 mm), particle size 3.5 µm Column temperature: 30°C Flow rate: 1 ml/min

Detector: UV visible 280 nm Sample solvent: Ethanol Solvent: gradient:

Time (min)	0	20	25
Water (%)	85	75	75
Acetonitrile (%)	15	25	25

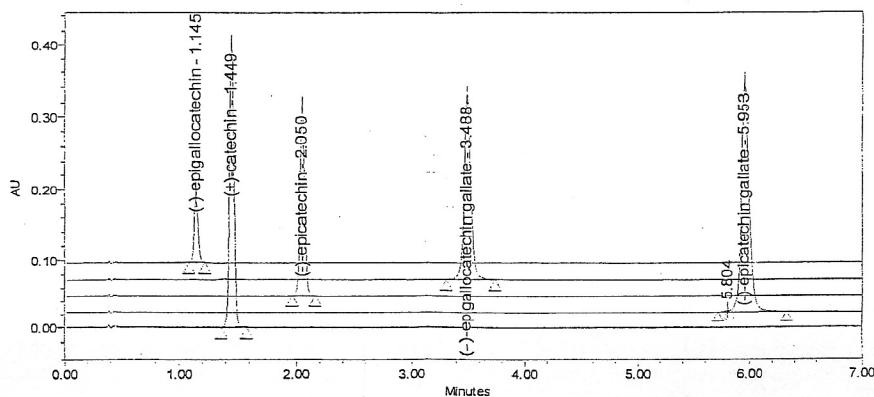
**ULTRA PERFORMANCE LIQUID CHROMATOGRAPHY (UPLC)**

Column: BEH Shield RP18® (2.1 x 100 mm), particle size 1.7 µm Column temperature: 50°C Flow rate: 0.7 ml/min

Detector: UV visible 280 nm Sample solvent: Ethanol / Mobile phase (25/75)

Solvent: gradient:

Time (min)	0	4	7
Water + 1% acetic acid (%)	92	89	85
Acetonitrile (%)	8	11	15

**Storage**

Store at +2/+8°C in a dry and dark place. Place in a desiccator under vacuum for 48 hours before use