



INDOFINE Chemical Company, Inc.

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HPLC

Batch: 78

ANTHOCYANIDINS KIT

020946S

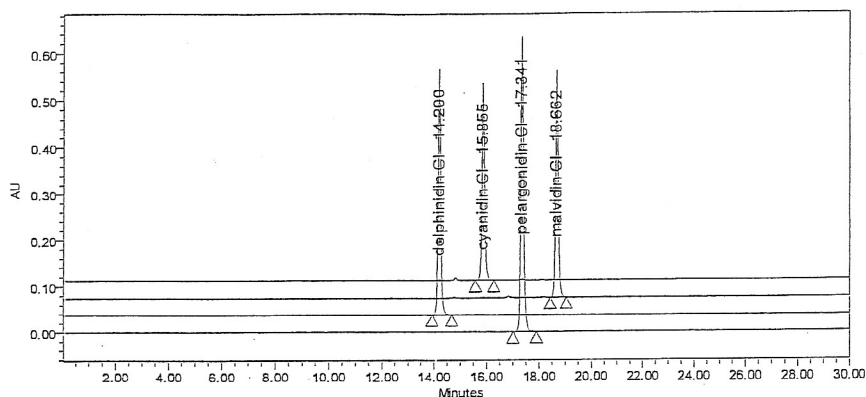
IDENTIFICATION

Reference	Name	CAS number	Molecular formula	Molecular weight
020904S	DELPHINIDIN CHLORIDE	[528-53-0]	C ₁₅ H ₁₁ O ₇ Cl	338.70
020909S	CYANIDIN CHLORIDE	[528-58-5]	C ₁₅ H ₁₁ O ₆ Cl	322.70
020912S	PELARGONIDIN CHLORIDE	[134-04-3]	C ₁₅ H ₁₁ O ₅ Cl	306.70
020913S	MALVIDIN CHLORIDE	[643-84-5]	C ₁₇ H ₁₅ O ₇ Cl	366.75

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)

Column: Atlantis dC18® (4.6 x 150 mm), particle size 3 µm Column temperature: 30°C Flow rate: 1 ml/min
Detector: UV visible 520 nm Sample solvent: Methanol + 0.1% HCl
Solvent: gradient:

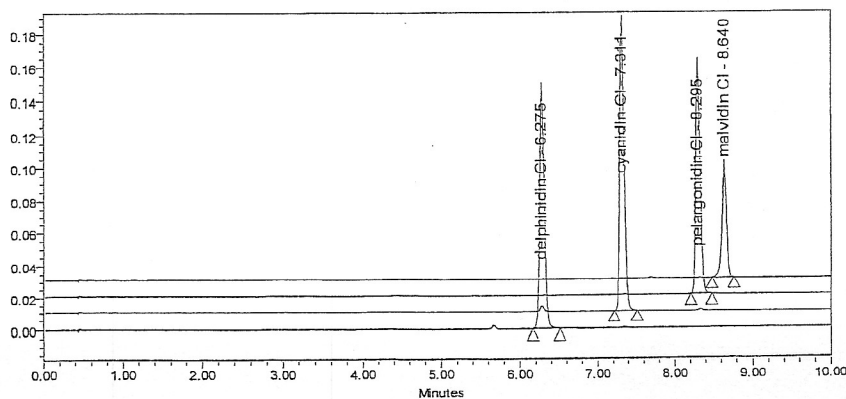
Time (min)	0	20	25	30
Water + 10% formic acid (%)	95	40	40	0
Methanol (%)	5	60	60	100



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: 0.6 ml/min
Detector: UV visible 520 nm Sample solvent: Methanol + 0.1% HCl
Solvent: gradient:

Time (min)	0	2	4	7	9	10
Water + 1% formic acid (%)	100	86	83	72	64	64
Methanol (%)	0	14	17	28	36	36



Storage: Store at room temperature in a dry and dark place. Place in a desiccator under vacuum for 48 hours before use