



# INDOFINE Chemical Company, Inc.

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**HPLC** **Batch: 36**

## CYANIDIN DERIVATIVES KIT 020947S

### IDENTIFICATION

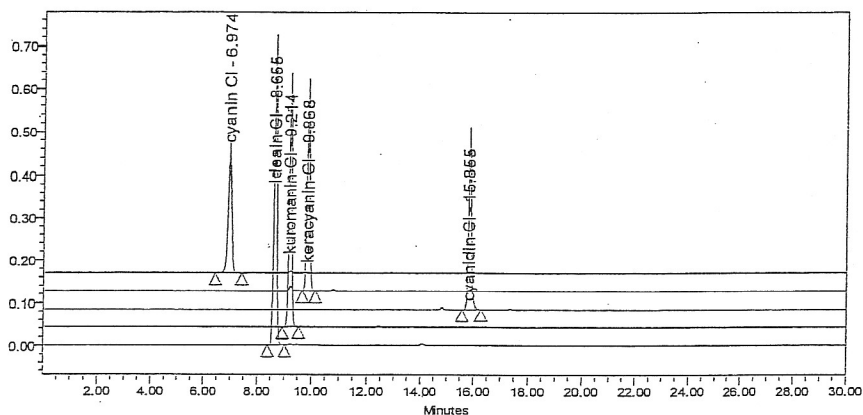
Reference	Name	CAS number	Molecular formula	Molecular weight
020909S	CYANIDIN CHLORIDE	[528-58-5]	C <sub>15</sub> H <sub>11</sub> O <sub>6</sub> Cl	322.70
020914S	KERACYANIN CHLORIDE	[18719-76-1]	C <sub>27</sub> H <sub>31</sub> O <sub>15</sub> Cl	630.98
020915S	KUROMANIN CHLORIDE	[7084-24-4]	C <sub>21</sub> H <sub>21</sub> O <sub>11</sub> Cl	484.82
020923S	IDEAIN CHLORIDE	[27661-36-5]	C <sub>21</sub> H <sub>21</sub> O <sub>11</sub> Cl	484.82
020932S	CYANIN CHLORIDE	[2611-67-8]	C <sub>27</sub> H <sub>31</sub> O <sub>16</sub> Cl	646.95

### 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 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

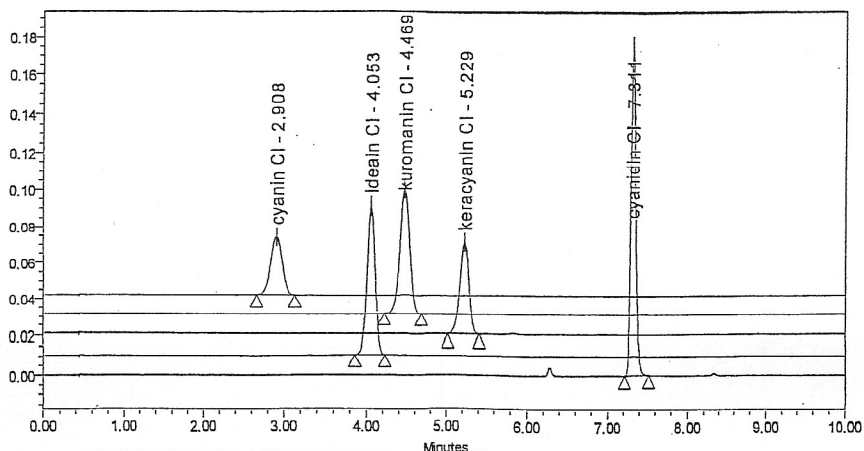


### ULTRA PERFORMANCE LIQUID CHROMATOGRAPHY (UPLC)

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 <-15°C in a dry and dark place. Place in a desiccator under vacuum for 48 hours before use