

# Chem-Impex International, Inc.

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825 Dillon Drive

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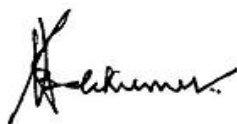
## Certificate of Analysis

<b>Catalogue Number</b>	32122
<b>Product</b>	<b>Carminic acid</b>
<b>Lot Number</b>	000331-39360
	Natural red 4
<b>CAS Number</b>	1260-17-9
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>20</sub> O <sub>13</sub>
<b>Molecular Weight</b>	492.39

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<b>Appearance</b>	Purple red powder
<b>Solubility</b>	Clear to slightly hazy red to dark red solution (1% in 1N Acidic acid)
<b>Cation</b>	Arsenic (As) : < 10 ppm Lead (Pb) : < 10 ppm
<b>Infrared Spectrum</b>	Conforms to structure
<b>Dye content</b>	95.78%
<b>Storage</b>	Store at RT
<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**