Practical Extraction of Natural Pigment from Baby Sun Rose (Aptenia cordifolia)

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Abstract

This work documents a simple, practical method for extracting a visible natural pigment from the flower of *Aptenia cordifolia* (Baby Sun Rose) using water as a solvent with mild heating. While the plant is known to contain phenolic and flavonoid compounds, its use as a practical pigment source has not been formally documented. This report presents a first practical observation of pigment extraction intended for experimental and exploratory use.

Materials and Methods

Fresh flowers of *Aptenia cordifolia* were placed in water and gently heated for several minutes without reaching a full boil. During heating, visible pigment was released into the water. The liquid extract was then filtered and used directly for application on paper.

Results

The extraction produced a warm terracotta-rose colored solution. The pigment was applied directly onto paper, showing a matte appearance with slight granulation typical of unrefined natural pigments.

Color Identification

Proposed Color Name: Aptenia Rose Terracotta
The extracted pigment exhibits a warm terracotta-rose hue positioned between muted rose and light earthy red.

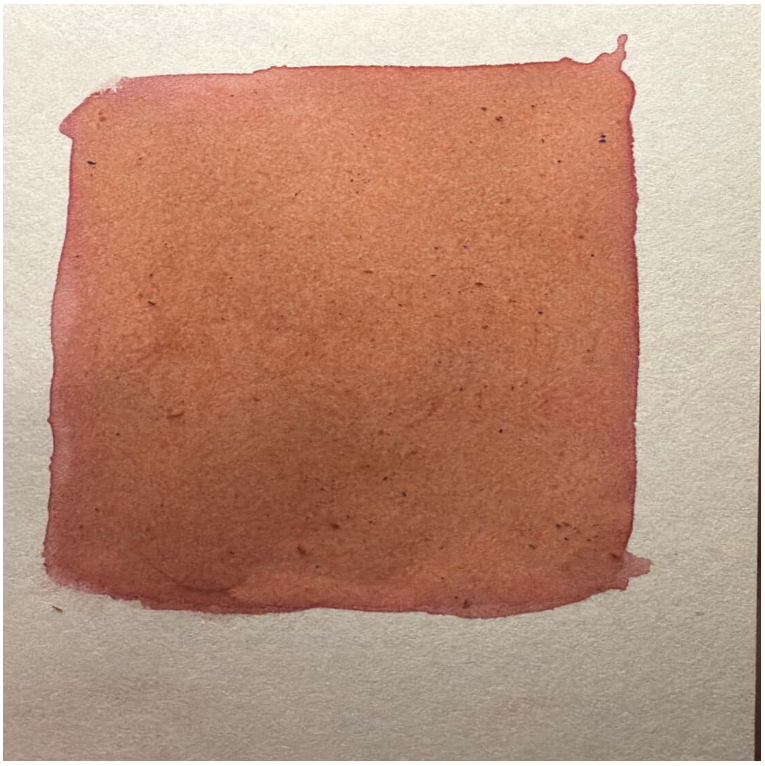


Figure 1. *Aptenia Rose Terracotta pigment applied on paper. Natural pigment extracted from Aptenia cordifolia flowers using water and mild heating.*