



MADDER ROOT Natural Dye

ORIGIN	<p>Madder natural dye is made from the roots of a viney, low-growing herb. Our madder is farmed in Pakistan.</p> <p>We offer our Madder <i>chopped</i>, rather than finely ground, as the heat of the grinding process destroys the enzyme in madder that helps ferment indigo vats.</p>
FIBERS	Dyes brilliantly on all natural fibers.
FASTNESS	Excellent fastness to light and washing.
HOW MUCH TO USE	<p>Use 50% - 100% per weight of silk (depending on desired intensity)</p> <p>Use 50% - 200% per weight of wool, hemp, or cotton (depending on desired intensity)</p>
MORDANTS /FIXERS/ ASSISTS	<p>Alum gives brick red, Tin gives bright orange, and Copper gives maroon. Iron is used after to modify the color to a dark wine.</p> <p>Use Ammonia (clear, pure, non-sudsing) to change the tone from orange to red when dyeing silk or wool. Madder is especially orange on silk. When dyeing on cellulose fibers such as hemp or cotton, use Chalk to turn the tone to be more red.</p> <p>Using Tannic Acid as an additional mordant (25% by weight) when dyeing cotton and hemp gives deeper, richer shades.</p>
HOW TO EXTRACT	<p>Soak overnight. Add water two times the volume of the roots. Heat slowly, for at least an hour. Simmer 20 minutes and strain. This orange-red water is the dye.</p> <p>Add more water to the roots and simmer again for 20 minutes. The second extraction gives the most brilliant oranges with Tin Fixer.</p>
HOW TO DYE	Add your fiber to the dyepot and allow one hour for the deepest colors.
DISPOSAL	Add the spent dyestuff to your compost bin or spread around the base of plants.
CARE	Handwash, use a mild soap such as Dr. Bronner's. For reds, wash separately the first few washes as there may be some bleeding. <u>Do not soak</u> .

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