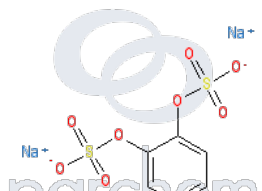


## Typical Product Specifications & Properties

# Disodium Catecholdisulfonate

CAS Number: 149-45-1

Specifications	Limits
Appearance	white to tan powder
Water solubility	soluble
Melting Point	300C
Assay	> 93.0%
Acidity	< 0.2% as H <sub>2</sub> SO <sub>4</sub>
SO <sub>4</sub>	< 0.4%
Catechol	> 0.1% wt.
Other Disulfides	< 0.2
Volatiles	< 0.6%
H <sub>2</sub> O	< 6.0%
Color	< 60 ppm APHA
Chemical Structure	 The chemical structure shows a central benzene ring with two hydroxyl groups (-OH) at the 1 and 2 positions. At the 3 and 4 positions, there are two sulfonate groups (-SO <sub>3</sub> <sup>-</sup> Na <sup>+</sup> ). The sodium ions (Na <sup>+</sup> ) are shown as blue spheres with a plus sign, and the sulfonate groups are shown as yellow sulfur atoms bonded to three red oxygen atoms.