

## SPECIFICATION

(R)-(-)-Norepinephrine Hydrogen Tartrate Monohydrate  
for Biochemistry

REQUIREMENT	SPECIFICATION
Appearance	White ~ grayish white, crystalline powder ~ powder to pass test
Solubility in water	
Specific rotation [ $\alpha$ ] <sub>D20</sub> (c=4,H <sub>2</sub> O) (calculated on the anhydrous basis)	-10~-13°
Water	4.9~6.2%
pH of a 10g/l solution at 25°C	3.0~4.0
Residue after ignition (as sulfate)	max.0.1%
Heavy metals (as Pb)	max.0.001%
Iron (Fe)	max.0.001%
Arterenone	max.0.5%
Epinephrine	to pass test
Assay	min.98.0%