

## CM 23,663 – LINCOMYCIN HYDROCHLORIDE (MONO)

### PRODUCT PROPERTIES

C.A.S Number	7179-49-9
Chemical Formula	C <sub>18</sub> H <sub>37</sub> ClN <sub>2</sub> O <sub>7</sub> S
Formula weight	461.01
Functional Uses	Lincomycin Hydrochloride (Mono) can also be used as antibacterial.
Standard Packaging	1 VI

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White or almost white, crystalline powder
Solubility	Freely soluble in water; soluble in dimethylformamide; slightly soluble in ethanol (95%); very slightly soluble in acetone; practically insoluble in chloroform and in ether..

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH	Between 3.5 and 5.5, determined in a 10% w/v solution
Specific optical rotation	Between +135° and +150°, determined in a 4% w/v solution
Sulphated ash	Not more than 0.5%
Water	Between 3.0 and 4.6% w/w, determined on 0.5 g
Heavy metals	Not more than 10 ppm, determined on 2.0 g
Assay	Lincomycin Hydrochloride contains not less than 82.5 per cent and not more than 93.0 per cent of C <sub>18</sub> H <sub>34</sub> N <sub>2</sub> O <sub>6</sub> S, calculated with reference to the anhydrous substance

