



**PRODUCT INFO  
& DATASHEET**

# Colemanite **SICOBOR E150 and E250** 36% $B_2O_3$ + 27.6% $CaO$ (hydrated calcium borate) Agricultural fertiliser

## **1. PRODUCT DESCRIPTION**

**SICOBOR E150** and **E250** is produced from carefully selected, naturally occurring, mineral Colemanite, which is a hydrated calcium borate.

The standardized quality of **SICOBOR E150** and **E250** is guaranteed by means of an ISO 9001 certified quality assurance plan. The chemical composition of raw materials and product is closely monitored.

Variation in chemical composition and particle size distribution of **SICOBOR E150** and **E250** is kept to a minimum.

**SICOBOR E150** and **E250** are used in Agriculture as a fertilizer

## **2. PRODUCT SPECIFICATIONS** (Typical values)

### **Mineral Properties**

Main constituent	Colemanite, $2CaO \cdot 3B_2O_3 \cdot 5H_2O$
Hardness (Mohs' scale)	4
Density (g/cm <sup>3</sup> )	2.4

### **Chemical Analysis**

			Method
B <sub>2</sub> O <sub>3</sub>	36	%	Titrimetric
CaO	27.6	%	XRF
SiO <sub>2</sub>	8	%	XRF
Na <sub>2</sub> O	0.38	%	Flame photometry
K <sub>2</sub> O	0.22	%	XRF
MgO	3.3	%	XRF
SrO	1.0	%	XRF
Fe <sub>2</sub> O <sub>3</sub>	0.3	%	XRF
Al <sub>2</sub> O <sub>3</sub>	0.6	%	XRF
As	0.1	%	ICP
Loss on Ignition	22.5	%	1000° C, 1 hour

### **Particle size**

	E 150	E 250		Method
> 150 µm	3	-	%	Alpine sieve
> 250 µm	-	3	%	Alpine sieve

### **Physical properties**

	E 150	E 250		Method
Moisture	0.5	0.5	%	Infra Red Dryer

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