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CCS H 83

**SJ**

**INDUSTRY STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**SJ/T 11496-2015**

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**Determination of boron concentration in gallium arsenide by  
infrared absorption**

红外吸收法测量砷化镓中硼含量

**(English Translation)**

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### What this standard covers

This Standard specifies at 77K, by infrared absorption method to determine the gallium arsenide (GaAs) method substitutional boron content. This Standard applies to electrical resistivity greater than  $10^6 \Omega \cdot \text{cm}$  semi-insulating GaAs single crystal boron content for the test site, the effective measuring range of boron content is from  $1 \times 10^{16} \text{at} \cdot \text{cm}^{-3}$  to  $2 \times 10^{18} \text{at} \cdot \text{cm}^{-3}$ .

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