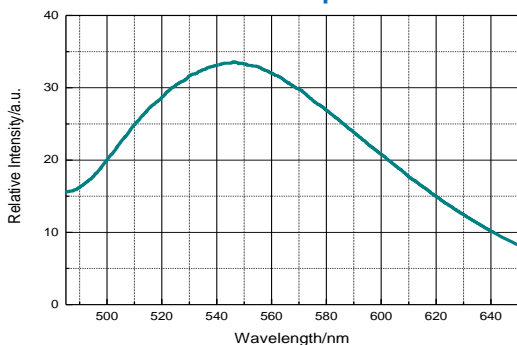


## GAL545-S

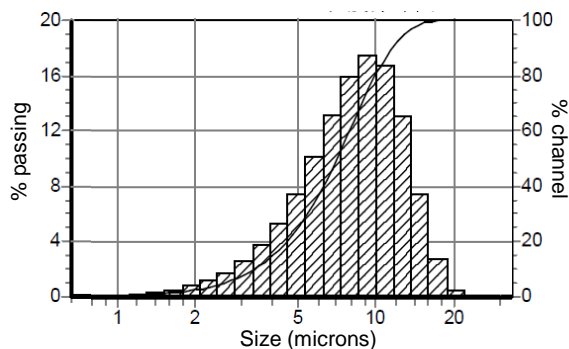
### Product Description and Application:

- GAL545-S Green phosphor is designed for high CRI general lighting applications and can be used as one of the components in warm white and other bluish green color applications. TV and monitor backlighting applications also benefit from its superior lifetime and thermal stability.
- GAL545-S Green phosphor has a small and uniform particle size designed for phosphor printing or conformal coating.

**Emission Spectrum**



**Particle Size Distribution**



### Material Specifications:



|                         |                           |
|-------------------------|---------------------------|
| <b>Materials</b>        | <i>Aluminates</i>         |
| <b>Density</b>          | <i>6 g/cm<sup>3</sup></i> |
| <b>Particle Size</b>    | <i>D50V - 7 μm</i>        |
| <b>CIE (1931)</b>       | <i>x=0.393, y=0.557</i>   |
| <b>Emission Peak</b>    | <i>545 nm</i>             |
| <b>Excitation Range</b> | <i>200 nm to 480 nm</i>   |

\* This data is sample data from an Engineering Sample and is for reference only.  
 For more information, contact *Intematix*.

## INTEMATIX

46430 Fremont Boulevard • Fremont, CA 94538  
 Tel: +1 (510) 933-3300 • Fax: +1 (510) 668-0793

[phosphor@intematix.com](mailto:phosphor@intematix.com)  
[www.intematix.com](http://www.intematix.com)