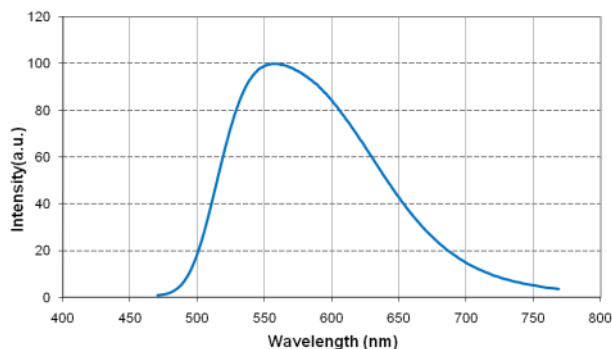


## NTAG4851™

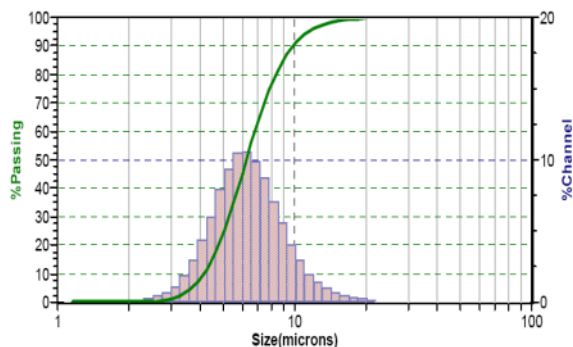
### Product Description and Application:

- NTAG4851 phosphor is terbium aluminum garnet based TAG phosphor designed for white illumination devices.
- High efficiency of white is achieved using the wavelength of blue LED chips ranging from 455nm to 470nm. It can be used in combination with other color phosphor products.
- High brightness white LEDs using this phosphor can be used for applications in display backlighting, camera flashes, signage, decoration, LED displays, projectors, automotive, general lighting, and a variety of high power applications.

#### Emission Spectrum



#### Particle Size Distribution



### Material Specifications:



Materials	Ce doped TAG
Density	6.07 g/cm <sup>3</sup>
Particle Size	D50 (V) ~ 5-11µm
CIE (1931)	x=0.475, y=0.513
Emission Peak	568nm
Excitation Range	430nm to 490nm

\* This data is sample data from an Engineering Sample and is for reference only.

## 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)