

## ADA3206 Product Data Sheet

### UV-Visible Water Soluble Fluorescent Green Organic Pigment

#### Application: Marking, Coding, Security Printing

ADA3206 is a specialty product having an easy to implement fluorescent effect, for use in the printing ink and lacquer industry. In normal daylight conditions, ADA3206 powder is virtually invisible on substrate. However, on exposure to UV-C light (optimal effect achieved at approx. 288 nm), the green fluorescence intensity becomes visible (emission at approx. 545 nm).

ADA3206 powder is a highly effective special additive for coding and marking purposes (e.g. usage in security printing). Possible application fields are high quality, solvent-free or solvent-containing special printing inks and lacquers with very good light fastness on plastic and on paper surface.

#### Product Properties

Composition:	Organic Substance
Physical Appearance:	White Powder
Appearance at 365nm:	Colorless
Excitation color at 288nm:	Green
Odor:	Odorless
Density in powder form:	Approx. 0.54 kg/dm <sup>3</sup>
Thermal Stability:	240 <sup>0</sup> C
Light fastness:	Excellent (In 15% concentration in printing ink, on paper and on polymer surface with minimum 10 years stability.)
UV Intensity:	Good
Durable against climatic test:	Yes

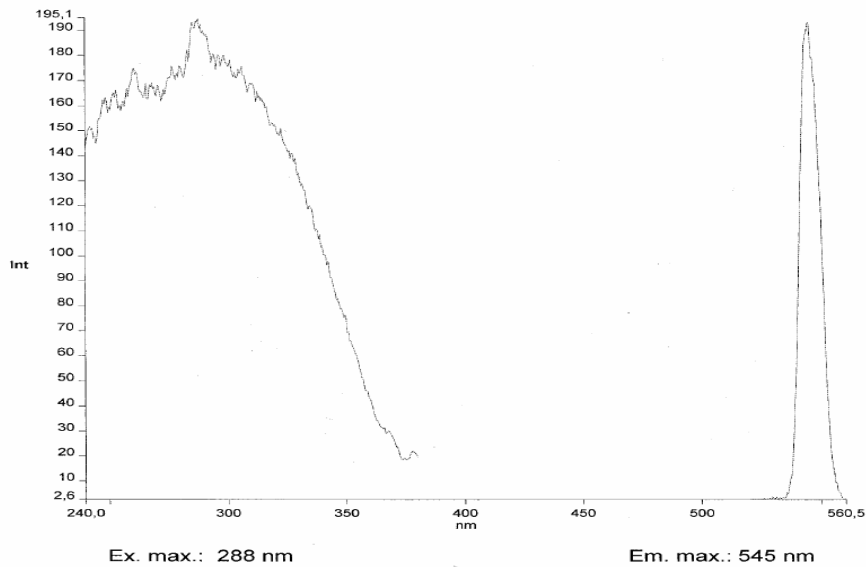
#### Solubility at T=22°C, t=2h in: (deviation approx. ± 5%)

Water (pH 7):	2.9 g/L
Water (pH 10):	14g/L
Acetone:	2.0 g/L
Ethyl Acetate:	Insoluble
Xylene:	4.0 g/L
Methanol:	11.2g/L
Cyclohexanone:	Insoluble

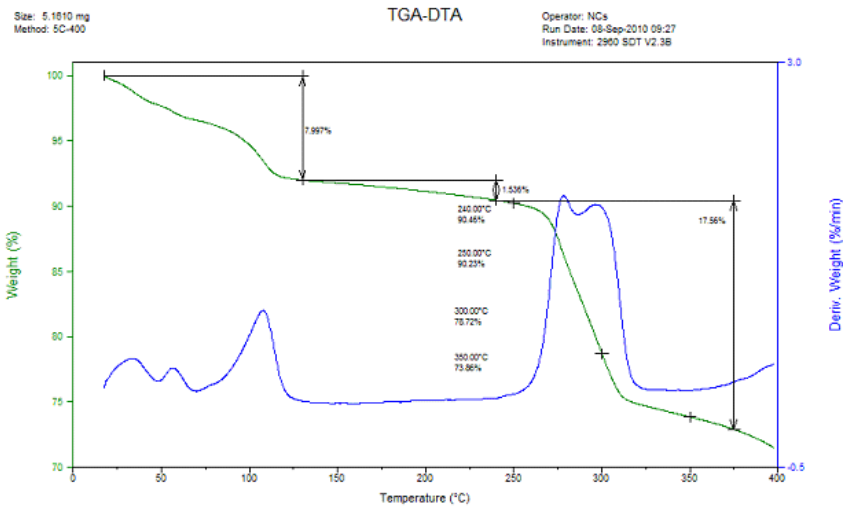
#### Typical Luminescent Properties:

Abs. Max.; $\lambda$ max:	288nm
Emission Max, $\lambda$ max:	545nm

**Typical excitation and fluorescence spectra:**



**Thermal stability**



**All applications using this product should be thoroughly tested prior to approval for production.**

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