

## ADA3208 Product Data Sheet

### UV-Visible Water Soluble Fluorescent Yellow/Orange Organic Pigment

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

ADA3208 is a specialty product having an easy to implement fluorescent effect, for use in the printing ink and lacquer industry. In normal daylight conditions, ADA3208 powder is virtually invisible on substrate. However, on exposure to UV-A and/or blue light (optimal effect achieved at approx. 360 nm), the green fluorescence intensity becomes visible (emission at approx. 560 nm).

ADA3208 powder is thus 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:	Light Green/White Powder
Excitation color at 365nm:	Yellow/Orange
Odor:	Odorless
Density in powder form:	Approx. 0.49 kg/dm <sup>3</sup>
Thermal Stability:	200 <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:	Excellent
Durable against climatic test:	Yes

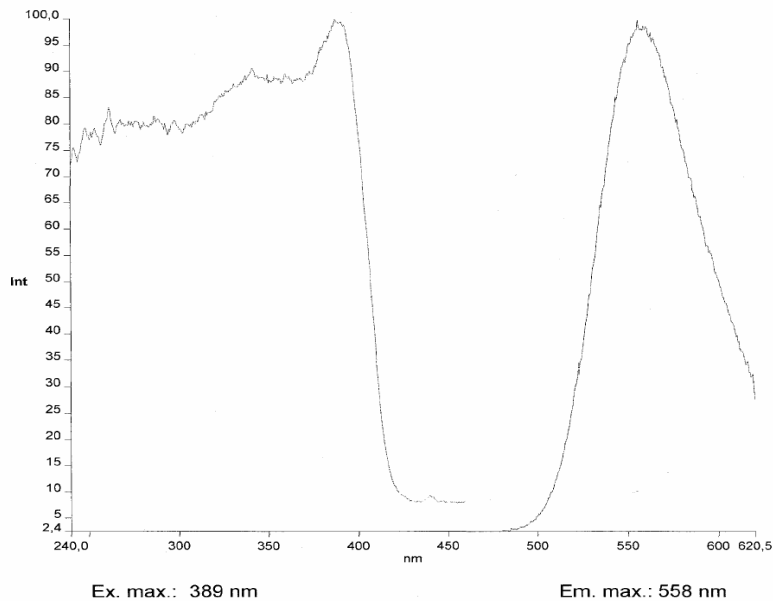
#### Solubility at T=22°C, t=2h in: (deviation approx. ± 5%)

Water (pH 7):	45.8 g/L
Acetone:	12.0 g/L
Ethyl Acetate:	10.0g/L
Xylene:	4.6 g/L
Methanol:	Insoluble
Cyclohexanone:	Insoluble

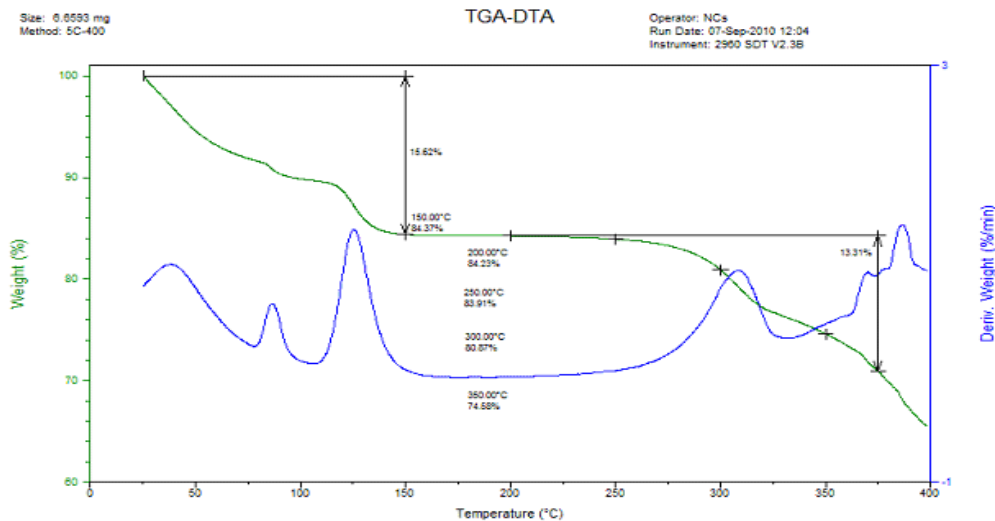
#### Typical Luminescent Properties:

Abs. Max.; λ max:	389nm
Emission Max, λ max:	558nm

**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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