

## Physiological Data

**Product Name:** NLP/YG/.../B/...

### Free from radioactive additives

	Max. in pigment	IAEA No. 115-1 Safety standard	American Safety standard	Japan Safety standard
Radiation of $\alpha$	< 0.032 Bq/g	< 100 Bq/g	< 35 Bq/g	< 70 Bq/g
Radiation of $\beta$	< 0.033 Bq/g			

According to all above standards, the pigment is radioactive free.

### Free from heavy metal

Heavy metals	Max. content in pigment	European Resolution Limit	EN 71-3, 1994 For toy	EN 71-7, 2002 For finger paint
Antimony (Sb)	< 2 ppm	500 ppm	60 ppm	10 ppm
Arsenic (As)	< 2 ppm	100 ppm	25 ppm	10 ppm
Barium (Ba)	10 ppm	100 ppm	1000 ppm	350 ppm
Cadmium (Cd)	< 2 ppm	100 ppm	75 ppm	15 ppm
Chromium (Cr)	< 2 ppm	1000 ppm	60 ppm	25 ppm
Lead (Pb)	< 2 ppm	100 ppm	90 ppm	25 ppm
Mercury (Hg)	< 2 ppm	50 ppm	60 ppm	10 ppm
Selenium (Se)	< 2 ppm	100 ppm	500 ppm	50 ppm

### Acute toxicity – oral (rat) LD50 >10 g/kg

Test report of acute oral toxicity: After the testing mice ate the sample materials, there were no toxicity symptom and death of every group of different dosages, and there were no big change of pathology.

### Acute toxicity – dermal (rabbit) LD50 > 20 g/kg

Test results of acute irritation on the skin of the rabbits is: No other toxicity effects identified.

### No eye irritation (rabbit)

Test result of acute irritation to the eyes of rabbits with test sample: No other toxicity effects identified.

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