



NAWOO LTD.

 | NDT TOTAL SOLUTION |
 나우주식회사

CERTIFICATE

Date: August.12.2019

Number : 19-MPB-002

Item : Magnetic Particel testing Aerosol
 Brand : PICO-MAG
 Model : Black NMP-B(흑색자분)
 LOT NO. : 19MPB20

We hereby certify that the above Model used for magnetic particle inspection meets the below mentioned Typical Properties in accordance with the EN ISO 9934-2, ASTM E-709 and ASME B & PV Code, Sec. V.

Typical Properties

* Raw Material	Magnaflux 7C black powder
* Color	Black
* Mean Particle size (Microns)	20 microns
* SAE Sensitivity	>6
* Setting Volume	2.0ml (per 100ml)
* Applying sample surface temperature	Below 135°F (57 °C), Minimum 23°F (-5 °C)
* Sulfur	< M.D.L (method detection limit: S=50 mg/kg)
* Chlorine	< M.D.L (method detection limit: Cl=50 mg/kg)
* Flash point	> 74°C
* Storage Stabiliyt	3 years

Technical Manager Lee Jong Sup

Nawoo Ltd





NAWOO LTD.

| NDT TOTAL SOLUTION |

나우주식회사

CERTIFICATE

Date: March.25.2019

Number : 19-MPF-001

Item : Magnetic Particel testing Aerosol (Fluorescent)
 Brand : PICO-MAG
 Model : Fluorescent NMP-F(형광자분)
 LOT NO. : 19MPF20

We hereby certify that the above Model used for magnetic particle inspection meets the below mentioned Typical Properties in accordance with the EN ISO 9934-2, ASTM E-709 and ASME B & PV Code, Sec. V.

Typical Properties

* Raw material	Magnaflux 14A Magnaglo powder
* Color under white / Black light	Brown / Yellow-green fluorescence
* Mean Particle size (Microns)	6 microns
* SAE Sensitivity	8 ~9
* Setting Volume	0.21ml (per 100ml)
* Applying sample surface temperature	Below 135°F (57 °C), Minimum 23°F (-5 °C)
* Sulfur	< M.D.L (method detection limit: S=50 mg/kg)
* Chlorine	< M.D.L (method detection limit: Cl=50 mg/kg)
* Flash point	> 74°C
* Storage Stabiliyt	3 years

Technical Manager Lee Jong Sup

Nawoo Ltd





NAWOO LTD.

| NDT TOTAL SOLUTION |

나우주식회사

CERTIFICATE

Date: March.25.2019

Certificate Number : 19-MP1-001

Item Name : Contrast Paint for magnetic Particle testing Aerosol
 Brand Name : PICO-MAG
 Model : White Paint NMP-1 (자분페인트)
 LOT NO. : 19MP120

We hereby certify that the above Model used for magnetic particle inspection meets the below mentioned Typical Properties in accordance with the EN ISO 9934-2 and ASME B & PV Code, Sec. V.

Typical Properties

* Color	White
* Density	1.065
* Solubility in Water	Immiscible
* Drying Time	2 ~ 10 min
* Corrosion	Non corrosive
* Sulfur	< M.D.L (method detection limit: S=50 mg/kg)
* Applying sample surface temperature	Below 135°F (57°C)

Technical Manager Lee Jong Sup

Nawoo Ltd.

