

## **Certificate of Analysis-Pink Fused Alumina**

### **General Information**

|                          |                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------|
| Product                  | : Pink Fused Alumina for Abrasives Tools, Sandblasting                                            |
| Other Names              | : Pink Fused Aluminium Oxide, Chrome Aluminum Oxide, Chromium Fused Aluminum Oxide, PFA Abrasives |
| Country of Origin        | : China                                                                                           |
| Manufacturer of Material | : Luoyang Zhongsen Refractory Co., Limited                                                        |
| Features                 | : Hard, Good Abrasive Ability, Ideal for Abrasive Tools                                           |
| Picture of Product:      |                                                                                                   |



### **Physical Specifications & Package**

|                  |                                                   |
|------------------|---------------------------------------------------|
| Main Content     | : $\alpha$ -Al <sub>2</sub> O <sub>3</sub>        |
| Specific Gravity | : $\geq 3.9$ g/cm <sup>3</sup>                    |
| Bulk Density     | : 1.40-1.91 kg/m <sup>3</sup>                     |
| Hardness         | : 9 MOSH                                          |
| Color            | : Pink                                            |
| Melting Point    | : 2000°C                                          |
| Sizes Available  | : FEPA F16-F220                                   |
| Package          | : 1 Ton Big Bag, 25kg Bag and 40 Bags on a Pallet |

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## Particle Distribution & Chemical Content

### Pink Fused Alumina FEPA for Abrasives

|                   |          |          |          |            |            |            |                                |        |
|-------------------|----------|----------|----------|------------|------------|------------|--------------------------------|--------|
| Physical Analysis | Grit#    | Max Size | Big Size | Basic Size | Mixed Size | Small Size | Chemical Analysis              |        |
|                   | F46      | +0.60    | +0.425   | +0.355     | +0.300     | -0.250     | AL <sub>2</sub> O <sub>3</sub> | 98.99% |
|                   | Standard | 0%       | 0-30%    | 40-100%    | 65-100%    | 0-3%       | Cr <sub>2</sub> O <sub>3</sub> | 0.72%  |
|                   | Sample 1 | 0        | 11       | 60         | 81         | 0.5        | Na <sub>2</sub> O              | 0.3%   |
| Physical Analysis | Grit#    | Max Size | Big Size | Basic Size | Mixed Size | Small Size | Chemical Analysis              |        |
|                   | F60      | +0.425   | +0.30    | +0.25      | +0.212     | -0.18      | AL <sub>2</sub> O <sub>3</sub> | 98.72% |
|                   | Standard | 0%       | 0-30%    | 40-100%    | 65-100%    | 0-3%       | Cr <sub>2</sub> O <sub>3</sub> | 0.7%   |
|                   | Sample 1 | 0        | 18       | 61         | 79         | 0.5        | Na <sub>2</sub> O              | 0.3%   |
| Physical Analysis | Grit#    | Max Size | Big Size | Basic Size | Mixed Size | Small Size | Chemical Analysis              |        |
|                   | F80      | +0.300   | +0.212   | +0.180     | +0.150     | -0.125     | AL <sub>2</sub> O <sub>3</sub> | 98.69% |
|                   | Standard | 0%       | 0-25%    | 40-100%    | 65-100%    | 0-3%       | Cr <sub>2</sub> O <sub>3</sub> | 0.68%  |
|                   | Sample 1 | 0        | 18       | 48         | 78         | 0.5        | Na <sub>2</sub> O              | 0.33%  |
| Physical Analysis | Grit#    | Max Size | Big Size | Basic Size | Mixed Size | Small Size | Chemical Analysis              |        |
|                   | F120     | +0.180   | +0.125   | +0.106     | +0.090     | -0.063     | AL <sub>2</sub> O <sub>3</sub> | 98.60% |
|                   | Standard | 0%       | 0-20%    | 40-100%    | 65-100%    | 0-3%       | Cr <sub>2</sub> O <sub>3</sub> | 0.67%  |
|                   | Sample 1 | 0        | 12       | 63         | 81         | 1          | Na <sub>2</sub> O              | 0.35%  |

FEPA F24-F220, other sizes available according to request.