



Xi'an ruixi Biological Technology Co., Ltd  
Xi'an city ,Shaanxi Province,China  
<http://www.ruixibiotech.com>  
Tel: 0086 29 86354885  
E-mail:sales@xarxbio.com

## Certificate of Analysis

### General properties:

Name: PEG2k-NH2 coating Fe<sub>3</sub>O<sub>4</sub> nanoparticles (20nm)

CAS : 1317-61-9

Cat.#: R-CJN2010-2K-20

Lot.#: RS019182

Manufacture Date: 2019.09.18

Recommended Retest date: 2020.03.17

Stability: 6 months

Storage: 4°C

| Items            | Specification                  | Results                        |
|------------------|--------------------------------|--------------------------------|
| Appearance       | Black solution                 | Black solution                 |
| <sup>1</sup> XRD | Fe <sub>3</sub> O <sub>4</sub> | Fe <sub>3</sub> O <sub>4</sub> |
| Surface group    |                                | PEG2k-NH2                      |
| Concentration    | 2mg/ml                         | ≈2mg/ml                        |
| Size             | 20nm                           | 18-22nm                        |
| Dispersant       | H <sub>2</sub> O               | H <sub>2</sub> O               |

Report Date:2019.09.18

**This product is for research use only, Not for human or animal use**

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