

ALADDIN SCIENTIFIC CORPORATION

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## Specification Sheet

|                          |                                                                                                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------|
| Product Name:            | Creatine amidinohydrolase (CR)                                                                                |
| SKU #:                   | rp216175                                                                                                      |
| Version:                 | 2                                                                                                             |
| Source:                  | Recombinant                                                                                                   |
| Specifications & Purity: | BioReagent, EnzymePure™, ActiBioPure™, High performance, Recombinant, ≥90%(SDS-PAGE), ≥5.8 U/mg enzyme powder |
| Concentration:           | ≥5.8 U/mg enzyme powder                                                                                       |
| Formulation:             |                                                                                                               |
| Reconstitution:          | Reconstitute in 50mM PBS, pH7.5.                                                                              |
| Storage Conditions:      | Store at -20°C, Avoid repeated freeze-thaw cycles                                                             |

| Parameter                        | Limit Values                        |
|----------------------------------|-------------------------------------|
| Appearance(rp216175)             | White amorphous powder, lyophilized |
| Specific activity                | ≥5.8(U/mg)                          |
| Purity(SDS-PAGE) ≥90%            | Conform                             |
| Solubility (10mg powder/mL)      | Clear                               |
| Catalase ≤0.1%                   | Conform                             |
| Creatinine amidohydrolase ≤0.01% | Conform                             |
| Sarcosine oxidase ≤0.01%         | Conform                             |
| NADH oxidase ≤0.01%              | Conform                             |