

# RF Global Holdings LLC

# Monoammonium phosphate (MAP) and diammonium phosphate (DAP) fertilizers — Specification [Kenya Standard KS 157:2010]

### 1 Scope

This Kenya Standard specifies the requirements and prescribes the methods of test for Monoammonium phosphate (MAP) and diammonium phosphate (DAP) fertilizers.

#### 2 Requirements

#### 2.1 Description

The fertilizer shall be free flowing, granular and free from any foreign matter.

#### 2.2 Physical

Particle size: Not less than 90% of the material shall pass through 4 mm IS sieve and be retained on 1 mm IS sieve. Not more than 5% shall be below 1 mm size

#### 2.3 Chemical

The fertilizers shall comply with the compositional limits specified in Table 1: Compositional Limits.

SL NO	Characteristics	Requirement/limits		Test Method
		MAP	DAP	
i)	Total nitrogen, % (m/m), min.	11	18	ISO 5315
ii)	Water soluble phosphates as P <sub>2</sub> O <sub>5</sub> , % (m/m), min.	44	41	ISO 5316
iii)	Available phosphates, as P <sub>2</sub> O <sub>5</sub> , % (m/m), min.	50	46	ISO 6598
iv)	Moisture, % (m/m), max.	1.5	1.5	ISO8189

### 2.4 Heavy metal contaminants

The heavy metal contaminants, if present, shall not exceed the limits stipulated in Table 2.

SL NO	Parameter	Limits in ppm	Test method
i)	Arsenic, As, max.	20.0	AOAC(986-15)
ii)	Cadmium, Cd, max.	30.0	AOAC(986-15)
iii)	Mercury, Hg, max.	0.1	AOAC(986-15)
iv)	Selenium, Se, max.	1.0	AOAC(986-15
v)	Lead, Pb, max.	30.0	AOAC(986-15
vi)	Chromium, Cr. Max.	500.0	AOAC(986-15

Please contact us at itr@rfglobalholdings.com for more details!

RF Global Holdings LLC its principals, members, officers and directors (collectively referred to as "RF GLOBAL") are neither registered investment advisors, broker dealers nor financial advisors with any state/federal agencies within the United States or any other country. RF GLOBAL is not responsible for the accuracy of these specifications and are merely provided to you for convenience purposes. You should not make any decisions based off of these specifications. Doing so is at your own risk and RF Global will not be held responsible. RF GLOBAL is not an underwriter. The funding it provides is based on specific terms and conditions, including the price and volume of the company's shares once the company is publicly listed. RF GLOBAL does not provide volume, liquidity, public relations services or investor relations services. Legal documentation preparation fees are paid by the Company directly to a law firm that represents RF GLOBAL. There is no advance fee charged by RF GLOBAL to the company. You understand and agree that no information contained in this correspondence constitutes legal, accounting or tax advice of any kind, and you should contact an attorney or accountant before using any of the information described in this correspondence for your business, company or transaction you are involved in or are contemplating. RF GLOBAL is not responsible for the content of any third-party documentation.

RF GLOBAL has the right to act as an intermediary, consultant or joint venture partner in any transactions in which it is involved. 8-18-2012



# RF Global Holdings LLC

# 3 Packaging and labeling

### 3.1 Packaging

- 3.1.1The fertilizer shall be packaged in materials that ensure the product integrity and quality and protect it against physical damage, chemical and moisture contamination.
- 3.1.2. The fill of the package shall comply with the weight and measures act CAP 513 of the laws of Kenya
- 3.1.3 The disposal of used package and condemned fertilizer shall comply with EMCA 1999 no.8 of the disposal of solids and liquid wastes

### 3.2 Marking/Labeling

Marking/labeling of fertilizer package shall include the following information:

- a) name and physical address of manufacturer/packer/importer;
- b) name of the fertilizer, namely MAP or DAP fertilizer;
- c) guaranteed percentages of nutrient element nitrogen and available phosphates of  $N P_2O_5 K_2O$ ;
- d) date of manufacture
- e) expiry date;
- f) the net weight of the fertilizer in the package;
- g) lot number or batch number;
- h) handling instructions;
- i) Country of origin.

#### 4 Certificate of analysis

A certificate of analysis shall accompany each consignment

## 5 Sampling

The sampling of the fertilizers shall be carried in accordance with the standard KS 7410- Fertilizers and soil conditioners-sampling

Please contact us at itr@rfglobalholdings.com for more details!

RF Global Holdings LLC its principals, members, officers and directors (collectively referred to as "RF GLOBAL") are neither registered investment advisors, broker dealers nor financial advisors with any state/federal agencies within the United States or any other country. RF GLOBAL is not responsible for the accuracy of these specifications and are merely provided to you for convenience purposes. You should not make any decisions based off of these specifications. Doing so is at your own risk and RF Global will not be held responsible. RF GLOBAL is not an underwriter. The funding it provides is based on specific terms and conditions, including the price and volume of the company's shares once the company is publicly listed. RF GLOBAL does not provide volume, liquidity, public relations services or investor relations services. Legal documentation preparation fees are paid by the Company directly to a law firm that represents RF GLOBAL. There is no advance fee charged by RF GLOBAL to the company. You understand and agree that no information contained in this correspondence constitutes legal, accounting or tax advice of any kind, and you should contact an attorney or accountant before using any of the information described in this correspondence for your business, company or transaction you are involved in or are contemplating. RF GLOBAL is not responsible for the content of any third-party documentation. RF GLOBAL has the right to act as an intermediary, consultant or joint venture partner in any transactions in which it is involved. 8-18-2012