BHM INTERNATIONAL – FERTILIZER

PRODUCT CATALOGUE

2024

www.bhm-international.com
sales@bhm-international.com

1 North Bridge Road Highstreet Centre
Singapore 179094

TABLE OF CONTENT

UREA

UREA (NH2)2C0 - carbon dioxide hydrazine carbamide

All- purpose high-analysis water- soluble nitrogen fertilizer. All types of soil and crops; basal dressing, spring or supplementary fertilizing. Top dressing of vegetables and fruits, late fertilizing of wheat for higher protein content. As a feed additive a in cattle production.

Resistant to wash-out which is critical for irrigated cropping areas. Applied to the soil in a solid state or as a solution with other liquid nitrogen fertilizers. Urea derivatives are efficient herbicides.

PROPERTY	VALUE
Nitrogen, dry basis, et%, min	46,2
biruet, wt%, max	1,0
water, wt%, max	
hygroscopic	
total	
particle size distribution, wt%:	
1-4 mm, min	94
less than 1 mm, max	5
6 mm sieve residue	NEGATIVE
static strength, mPA (kg/cm*), min	1,2 (12)
or per granule, n (kgf), min	3 (0,3)
friability, %, min	100

MURIATE OF POTASH (MOP)

MOP

Pink Granular Muriate of Potash

PROPERTY	SYMBOL	UNIT	GUARANTEE
Mass Fraction of Potassium Chloride	K2O	%	No Less 60,0
Mass Fraction of Potassium Chloride	KCL	%	No Less 95,0
Water Mass Content	H2O	%	No more 0,5
Mass Fraction of Zinc	ZN	mg/kg (ppm)	No more 23,0
Mass fraction of Mercury	Hg	mg/kg (ppm)	No more 2,1
Mass fraction of Lead	Pb	mg/kg (ppm)	No more 32,0
Mass fraction of Arsenic	AS	mg/kg (ppm)	No more 2,0
Mass fraction of Cadmium	Cd	mg/kg (ppm)	No more 0,5

PARTICLE SIZE DISTRIBUTION	GRADE 'G'	SPECIAL	GRADE 'O'	SPECIAL
MM	GUARANTEE %			
+4 (>4)	No more 5,0	No more 3,0		
+ 2 (2-4)	No less 85,0			
+ 1 (1-2)	No more 8,0	No less 77,0		
-1 (>1)	No more 2,0	No more 20,0		
-2 (<2)			No less 90,0	No less 90,0
-0,1 (< 0,1)			No more 3,0	

PHYSICAL PROPERTIES	GRADE 'G'	SPECIAL	GRADE 'O'	GRADE 'N'
Bulk Density (ton/m3)	0,99 - 1,13		0,9 - 1,14	0,90 - 1,14
Angle of repose (degrees)	29 - 32		23 - 35	23 - 35
Colour	Sorrel	Sorrel	Sorrel	Sorrel
Dynamic Durability (%)	No less 85,0			
Static Capacity (%)	No more 21,0			

NITROGEN- PHOSPHORUS-POTASSIUM (NPK)

NPK

Nitrogen-Phosphorus-Potassium Fertilizer Mixtures

Nitrogen-phosphorous-potassium fertilizer mixtures (NPK Fertilizer Mixtures) are the effective fertilizers produced by mixing the ready-to-use forms of the granulated nitrogen, phosphorous and potassium mineral fertilizers, and they contain in an absorbed form the main nutrients for plants - nitrogen, phosphorous and potassium. Fertilizer mixtures provide the balanced nutrition for plants.

They are designed for primary and pre-sowing applications as well for fertilizing on all the types of soils for the cultivation of various agricultural crops.

GRADE	N	P205	K20	S*	H2O
4 - 5 - 47, 5 +15	4±2	5±2	47,5±2	1	No more than 1,8
4 - 16 - 34 +2S	4±2	16±2	34±2	2	
5 - 20, 5 - 36	5±2	20,5±2	36±2	-	
6 - 26 - 30	6±2	26±2	30±2	-	
10 - 10 - 29, 5+ 6S	10±2	10±2	29,5±2	6	
17 - 17 - 17	17±2	17±2	17±2	-	
22 - 5 - 27	22±2	5±2	27±2	-	
22 - 11 - 22	22±2	11±2	22±2	-	

NPK

Nitrogen-Phosphorus-Potassium Fertilizer Mixtures

PHYSICAL PROPERTIES	NK 24 - 0 - 3	NK 18 - 0- 18	NPK 22 - 5 - 5	NPK 13 - 13 - 21
Total Nitrogen (N)	24%	18%	22%	13%
Total Potassium (K20)	3%	18%	5%	13%
Total Phosphates (P205)	-	-	5%	21%
Total moisture, max	1,8%			
Dynamic strength, min.	80%			
Granulometric composition (FMR):				
> 5 mm, max.	10%			
2 - 5 mm, min	80%			
< 1 mm, max	5%			
Friability	100%			
Appearance	compacted granules of irregular shape Appearance from grayish-white to red-brown or yellow			

PHYSICAL PROPERTIES	NPK 15 - 15 - 15	NPK 13 - 8 - 24	NPK 16-16-16	NPK 15 - 11 - 18
Total Nitrogen (N)	15%	13%	16%	15%
Total Potassium (K20)	15%	8%	16%	11%
Total Phosphates (P205)	15%	24%	16%	18%
Total moisture, max	1,8%			
Dynamic strength, min.	80%			
Granulometric composition (FMR):				
> 5 mm, max.	10%			
2 - 5 mm, min	80%			
< 1 mm, max	5%			
Friability	100%			
Appearance	compacted granules of irregular shape Appearance from grayish-white to red-brown or yellow			

POTASSIUM NITRATE

Highly effective nitrogen-potassium water-soluble fertilizer with a high potassium content. It is ideal for use in protected soil, fertigation systems, for foliar fertilizing of cereals, technical, fruit and ornamental crops.Potassium has a positive effect on the intensity of photosynthesis, participates in carbohydrate metabolism. Application of Potassium Nitrate helps to increase the resistance of plants to adverse environmental conditions: sudden changes in water and temperature regimes. It improves the quality of fruits, has a positive effect on the accumulation of starch in potato tubers, sugar in sugar beet and other root crops, and also helps to increase the strength of the stems, preventing the lodging of cereals.

PHYSICAL PROPERTIES	GRADE A	GRADE B
Total potassium (K20), min.	46,0%	44,5%
Total nitrogen (N), min.	13,5%	
Total chloride ion (C1-), max.	0,1%	
Total insoluble in water, max.	0,03%	
Total moisture, max.	0,5%	
Friability	White crystals with yellowish-grey shade	

Capable.
Reliable.
Competitive.

CONTACT US

BHM International Pte. Ltd.

Singapore, High Street Plaza, 1 North Bridge Road, #24 - 03 & 24 - 04, Singapore 179094

e-mail: sales@bhm-international.com

Phone: + 65 69808544