

13X-HP Molecular Sieve



Product Introduction:

13X-HP Molecular Sieve, is a new type of X Molecular Sieve. It is suitable for household and medical oxygen making machines.

Xintao 13X-HP Molecular Sieve, the characteristics of higher N₂ adsorption capacity and N₂ with O₂ selectivity, easy desorption and etc.

Technical Parameter:

Model	13X-HP Molecular Sieve
Color	Light gray
Nominal pore diameter	10 angstroms
Shape	Sphere
Model	XT-502
Diameter (mm)	1.6-2.5
Bulk density (g/ml)	≥0.62
Crushing strength (N/PC)	≥30.0
N ₂ Capacity (ml/g)	≥8.0
N ₂ /O ₂ Selectivity	≥3.0
Working pressure (bar)	6-7
Particle Ration (%)	≥97.0
Attrition (%)	≤0.20
Static H ₂ O capacity (wt%) (RH=60%,25℃)	≥30.0
Static CO ₂ capacity (wt%) (250mmHg,25℃)	≥19.8
Loss on Ignition (wt%) (575℃ ,1hr)	≤1.0

Typical Application: Be mainly used in PSA O₂ concentrator.

Warranty: By National Standard HG/T 2690-2012.

Certificate of Analysis

Product : Molecular Sieve 13X HP

Type: Φ 1.6-2.5mm

Batch number : 202204221000

Quantity: 10800KG

Test Date: 2022-04-26

Exw. Date:2022-04-29

Tested index	Unit	Qualified	Tested data
Static H ₂ O absorption (25 \times , RH60%, Saturated salt water)	wt%	≥ 30.0	30.17
Static CO ₂ absorption (25 \times , 250mmHg)	wt%	≥ 19.8	19.92
Static N ₂ absorption (25 \times , 1bar)	wt%	≥ 8.0	8.42
N ₂ /O ₂ Selectivity	-	≥ 3.0	3.19
Crushing Strength (average of 25 particles)	N/particle	≥ 30.0	31.6
Bulk density	G/ml	≥ 0.62	0.63
Attrition	wt%	≤ 0.2	0.17
Particle ration	wt%	≥ 97.0	98.2
Loss on Ignition (575 \times , 1h)	wt%	≤ 1.0	0.83

Test result : Qualified

Inspector



Inspection date :2022-04-26