

TEKNİK ŞARTNAMELER

1. Tetraethoxysilane, 98%, Alfa Aesar:A14965-100ml

Melting point	-85°
Formula weight	208.33
CAS No.	78-10-4
Purity	98%
Flash point	46°(116°F)
Molecular formula	C ₈ H ₂₀ O ₄ Si
MDL No.	MFCD00009062
UN No.	1292
Merck reference	14,3851
Density	0.934
Physical form	Clear liquid

2. Calcium Nitrate Tetrahydrate Analar Normapur Ar, VWR:22388.292-1kg

Specification Test Results

Assay	Min. 98.0 %
Acidity or alkalinity	Max. 0.005 meq/g
Heavy metals (as Pb)	Max. 5 ppm
Insolubility in water	Max. 50 ppm
Not precipitated by (COONH ₄) ₂ (as SO ₄)	Max. 0.25 %
Cl (Chloride)	Max. 10 ppm
NH ₄ (Ammonium)	Max. 20 ppm
SO ₄ (Sulphate)	Max. 50 ppm
Ba (Barium)	Max. 50 ppm
Fe (Iron)	Max. 5 ppm

3. Polyvinyl alcohol, 98-99% hydrolyzed, low molecular weight, Alfa Aesar:41241-500g

Polyvinyl alcohol, M.W. ~ 10,000-26,000 98-99%, low molecular weight, hydrolysed

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Bilgi GÖRMEK

4. Hydrochloric acid 37% AnalaR NORMAPUR® Reag. Ph. Eur. analytical reagent,
VWR:20252.335-2,5lt

Specification Test Results

Assay	35.0 - 38.0 %
Appearance	Clear colourless liquid
Appearance of solution	Passes test Ph.Eur.
Identification A	Passes test Ph.Eur.
Identification B	Passes test Ph.Eur.
Colouration	Max. 10 APHA
Density (20/4)	1.174 - 1.193
Evaporation residue	Max. 100 ppm
Free chlorine	Max. 1 ppm
Heavy metals (as Pb)	Max. 2 ppm
Ignition residue (SO ₄)	Max. 5 ppm
Reducing substances (as O)	Max. 4 ppm

5. Etanol Absolut %99,9, Isolab:920.026.2500-2,5lt

bp	78.3 °C (1013 hPa)
expl. lim.	3.1 - 27.7 % (V)
vapor pressure	59 hPa (20 °C)
density	0.790 - 0.793 g/cm ³ (20 °C)
flash point	12 °C
autoignition temp.	425 °C
mp	-114.5 °C
pH	7.0 (10 g/l, H ₂ O, 20 °C)
LD 50 oral	LD50 Rat 6200 mg/kg
shipped in	ambient
storage temp.	Store at +5°C to +30°C.
specifications	Purity (GC): ≥ 99.9 %

6. Sodium Chloride Gr For Analysis Acs,iso Merck-106404.1000-1kg

bp	1461 °C (1013 hPa)
vapor pressure	1.3 hPa (865 °C)
solubility	358 g/l
density	2.17 g/cm ³ (20 °C)
mp	801 °C
pH	4.5 - 7.0 (100 g/l, H ₂ O, 20 °C)
bulk density	1140 kg/m ³
LD 50 oral	LD50 Rat 3000 mg/kg
LD 50 dermal	LD50 Rabbit > 10000 mg/kg
shipped in	ambient
storage temp.	Store at +5°C to +30°C.
specifications	Assay (argentometric): ≥ 99.5 %

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[Signature]

7. **Sodium Hydrogen Carbonate Gr For Analysis iso, Merck-106329.1000-1kg**

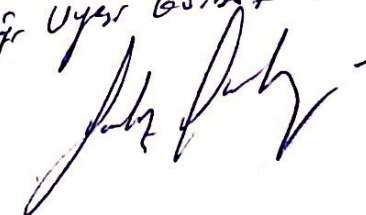
grade ACS, Reag. Ph Eur
packaging 1 kg in Plastic bottle (1063291000)
500 g in Plastic bottle (1063290500)
solubility 96 g/l
density 2.22 g/cm³ (20 °C)
mp 270 °C (decomposition)
pH 8.6 (50 g/l, H₂O, 20 °C)
bulk density 1000 kg/m³
LD 50 oral LD50 Rat 4220 mg/kg
shipped in ambient
storage temp. Store at +5°C to +30°C.
specifications Appearance of solution: passes test
Identity: passes test
Assay (acidimetric; calculated on dried substance): 99.7 - 100.3 %
Assay (acidimetric): 99.0 - 101.0 %

8. **Potassium Chloride Gr For Analysis, Merck-104936.1000-1kg**

bp 1413 °C (1013 hPa)
solubility 347 g/l
density 1.98 g/cm³ (20 °C)
mp 773 °C
pH 5.5 - 8.0 (50 g/l, H₂O, 25 °C)
bulk density 1000 kg/m³
LD 50 oral LD50 Rat 2600 mg/kg
shipped in ambient
storage temp. Store at +5°C to +30°C.
specifications Assay (argentometric): ≥ 99.5 %

9. **Sodium Sulfate Anhydrous Gr For Analysis Acs, iso, Merck-106649.1000-1kg**

solubility 200 g/l
density 2.70 g/cm³ (20 °C)
mp 888 °C
pH 5.2 - 8.0 (50 g/l, H₂O, 20 °C)
bulk density 1400 - 1600 kg/m³
LD 50 oral LD50 Rat > 2000 mg/kg
shipped in ambient
storage temp. Store at +5°C to +30°C.
specifications Assay (alkalimetric): ≥ 99.0 %
Assay (alkalimetric, calculated on dried substance): 98.5 - 101.0 %

An. of Uysa Gebet Comak


10. di-Potassium hydrogen phosphate trihydrate for analysis EMSURE®, Merck-1050990250-250gr

mp 340 °C (anhydrous substance),decomposes
pH 9.2 - 9.4 (50 g/l, H₂O, 20 °C)
bulk density 800 kg/m³
shipped in ambient
storage temp. Store at +15°C to +25°C.
specifications Assay (acidimetric): ≥ 99.0 %

11. Magnesium Chloride Hexahydrate Analar Normapur Ar, VWR:25108.295-1kg

Specification Test Results

Assay	99.0 - 101.0 %
Acidity or alkalinity	Passes test Ph.Eur.
Appearance of solution (20 %; water)	Passes test
Identification B	Passes test Ph.Eur.
Identification C	Passes test Ph.Eur.
Solution S	Passes test
pH (20°C; 5 %)	5.0 - 6.5
Heavy metals (as Pb)	Max. 5 ppm
Insolubility in water	Max. 50 ppm
Total N (Nitrogen)	Max. 20 ppm
Water	51.0 - 55.0 %

12. NGF-β human from human, recombinant, expressed in NSO cells, lyophilized powder, suitable for cell culture , Sigma:N1408-0.1MG

recombinant expressed in NSO cells
assay >97% (SDS-PAGE)
form lyophilized powder
potency 0.15-3.0 ng/mL ED₅₀/EC₅₀
quality endotoxin tested
packaging pkg of 5X0.1 mg
pkg of 0.1 mg
impurities <1 EU/μg
solubility water: soluble 0.1 g/L at 20 °C
suitability suitable for cell culture

Dr. Öğr. Üyesi Gürbüz Arslan
Jah. 10/12/2021

13. NGF beta Human ELISA Kit 96 test.. Thermo EHNGF

1. Kitin analitik duyarlılığı 14 pg/mL olmalıdır.
2. Kitin assay aralığı 6.86-5000 pg/mL olmalıdır.
3. Örnek tipi plasma, serum ve supernatant olmalıdır.
4. Kitin intraassay cv değeri <12% olmalıdır.
5. Kitin intraassay cv değeri <10% olmalıdır.
6. Kit 96 testlik olmalıdır.
7. Ürün 2-8°C de saklanmalıdır.
8. Kit ile birlikte 2adet Eppendorf Marka PCR Cooler 96x0,2ml verilmelidir.

16. Flask tissue culture 25cm² vent cap gamma sterile 250ad/pk, VWR Collection:734-2311

50ml hacimde, 10ad/pşst şeklinde, 250ad/pk ambalajında, Steril, 0,22um filtre kapaklı olmalıdır.

17. Flask tissue culture 75cm² vent cap gamma sterile, VWR Collection:734-2313

250ml hacimde, 5ad/pşst şeklinde, 125ad/pk ambalajında, Steril, 0,22um filtre kapaklı olmalıdır.

18. Plate tissue culture 24 wells gamma sterile 125ad/pkt, VWR:734-2325

Steril ve Hücre kültürü çalışmaları için uygun özellikte olmalıdır.

Free from DNase and RNase, and non pyrogenic içermemelidir.

125ad/pk şeklinde tek tek steril olmalıdır.

24 Gözlü ve çalışma hacmi 0,38-0,57ml olmalıdır.

19. Elisa mikroyetli Steril 96 gözlü F Taban Hücre Kültürü 200ad/pkt, VWR:734-2327

1. Hücre Kültürü çalışmaları için uygun olmalıdır.
2. Gama ışınları ile steril edilmiş olup tek tek ambalaşlı olmalıdır.
3. 200ad/pk şeklinde teslim edilmelidir.
4. Free from DNase and RNase, and non pyrogenic içermemelidir.

20. Tek kullanımlık dispoble steril pipet 1ml. 1000ad/pk, VWR:612-3707

PS, transparent, graduated, sterile.

- Graduations are calibrated for accurate dispensing to within $\pm 3\%$
- Colour coded stripes for quick volume identification
- Non pyrogenic
- With cotton plug

Packaging: Individually wrapped in paper-plastic bags or bulk packed in bags.

Dr. Öğr. Üyesi Barış Z. Gökçe
ykt. B. Z.

