

MERSİN TARSUS ORGANİZE SANAYİ BÖLGESİ TEKNİK BİLİMLER MESLEK YÜKSEKOKULU
KİMYA TEKNOLOJİSİ VE GIDA TEKNOLOJİSİ PROGRAMLARININ
LABORATUVARLARINDA KULLANILAN CİHAZLAR

1	SOĞUTMALI SANTRİFÜJ	NÜVE	NF 800R	Maximum Speed Opening rotor: 4,100 rpm Angled rotor: 14,000 rpm Maximum RCF Opening rotor: 3.045kg Angled rotor: 18.405kg Tube Capacity Opening rotor: 4x200 ml Angled rotor: 6x50 ml Control System N-Prime™ control system with programmable microprocessor Speed Adjustment Range 500-14.000 rpm Speed Adjustment Level 10 rpm Speed Control Accuracy ± 20 rpm Timer Setting Range 1-99 minutes / indefinite Timer Setting Level 1 minute Number of Programmes 10 Acceleration / Braking Stage 10/10 Temperature Adjustment Range - 9°C / +40°C Temperature Adjustment Step - 1°C
2	Fume cupboard	QUALİTEC		Standard motorised 6mm tempered impact and temperature resistant front glass Work surface sweeping with Air Foil and Sash Foil for heavy chemical vapours Bypass air inlet Chemical resistant compact laminate work surface Chemical resistant mixed flow polypropylene fan Rigid structural profile chassis** Customisable work surface* Polypropylene inner surface coating* Water and gas taps according to DIN EN 12920* Activated carbon filter* Chemical resistant ATEX certified snail polypropylene fan* Mobile chemical sub-cabinet** Fire resistant chemical bottom cabinet*
3	SIZE MEASURING DEVICE WITH CAMERA	SOIF	MD50	5.0 megapixel Spectral Range 380nm~650nm Pixel Size 2.2µm*2.2µm
4	UV-Vis spectrometer	thermo scientific	GENESYS 180	Beam Geometry Double Beam - Wavelength Range 190 to 1100 nm - Spectral Bandwidth 2 nm - Detector Dual Silicon Photodiode - Baseline flatness ±0.002 Å - Deviation (at 500 nm after 1 hour warm-up) <0.0005 Å/h - Scanning Speed Slow, medium, fast - up to 1600 nm/min - Tray Light < 1.0% T at 198 nm (KCl), < 0.05 T at 220 nm (NaI), < 0.03% T at 340 nm (NaNO ₂) - Wavelength Accuracy ±0.5 nm - Photometric Accuracy ±0.002A at ±0.5A, ±0.004A at 1.0A, ±0.008 A at 2.0 Å - Photometric range -2A to +3.5A - Noise (RMS at 500 nm, 60 consecutive measurements): ±0.00020A at 0A at 260 and 500 nm; ±0.00030A at 1A at 260 and 500 nm; ±0.00040A at 2A at 260 and 500 nm; - Screen 7 inch High Resolution Colour Touch Screen - Electricity 120v, 50/60Hz - Weight: 17 lbs.
5	Otoklav	NÜVE	NC 40M	Cell Volume, litres 42.96 Temperature Operating Adjustment Range (in special programmes) 105°C - 135°C Control System Programmable microprocessor N-Smart™ control system Display 4.3" colour LCD display Ready Programs 2 liquid, 3 solid Special Programs 1 liquid, 1 solid Melting Programme Temperature Adjustment Range 60°C - 100°C Timer for Special Programmes 1-300 minutes Timer for Melting Programme 1-60 minutes Delayed Start Timer Programmable with real date and time Internal Surface Structure 316L stainless steel Number of Standard Baskets 2 pcs (Ø295 x 242 mm) 3 pcs (Ø360 x 242 mm)
6	SHAKING INCUBATOR	MIKROTEST	MCI 55	Temperature Operating Range Ambient Temperature +5°C / +60 Shaking Speed 50-250 Rpm Usable Volume 55
7	pH meter	OHASUS	AQUASEARCHER	*pH Measurement Range 0.00 14.00 pH Measurement Resolution 0.01 pH Measurement Range +/- 1999 mV Measurement Resolution 1 mV Measurement Linearity +/- 1 mV"
8	GAS CHROMATOGRAPHY - MASS SPECTR	SCHIMATZU	GC2010PRO	High sensitivity (FID: 1.5 pgC/s Dodacene) Excellent Peak Repeatability Fast Column Cooling Technology (450 °C to 50 °C : 3.4 minutes) Advanced Flow Technology with simultaneous dual analysis, backflush, Detector Splitting, Detector Switching) Improved Gas saving feature Injection Ports : Split/Splitless Injection Unit, Direct Injection Unit, 2-in-1 OCI/PTV (On-Column Injection Unit and Programmable Temperature Vaporizer Injection Unit) Detectors FID, TCD, FPD, ECD, FTD Head Space, SPME, Purge and Trap, Pyrolysis Unit sampling options



9	EVAPRATOR	IKA	RV3	Cooling type vertical Cooling surface 1500 cm2 Motor principle DC Speed range 20 - 300 rpm rotation speed < 100 rpm speed tolerance ±1 rpm rotation speed > 100 rpm speed tolerance ±1 % Lift Manual Impact 150 mm Heating temperature range room temperature - 99 °C Dimensions (Width X Length X Depth) 440 x 530 x 330 mm Weight 28.3 kg Suitable ambient conditions 5 - 40 °C Permissible relative humidity 80 % Protection class IP 20 according to DIN EN 60529 Voltage 100 - 240 V Frequency 50/60 Hz Power input 1400 W
10	Sterilizer Oven	NÜVE	FN 120	Temperature Operating Adjustment Range Ambient temperature +5°C / 250°C Fe-Const Control System with Temperature Sensor N-Prime™ programmable PID microprocessor Indicators LED display for temperature and time Temperature Setting and Reading Accuracy 1°C Temperature Distribution (150°C) ±2°C Temperature Fluctuation (150°C) ±1°C Programmable Alarm Limits ±2°C / 10°C Timer 1 min - 99.9 hours/durationless Programme Delay 1 minute - 99.9 hours Recording Interval 1-999 minutes on External Memory Cell Volume, litres 55 120 Number of Shelves (Standard / Maximum), pcs 2/7 2/10 Internal Surface Structure Stainless steel External Surface Structure Powder coated steel sheet
11	DRYING OVEN (OVEN)	NÜKLEON	NFT	Reliable and precise PID microprocessor control and also thanks to the fan circulation system, precise-constant temperatures, easy-to-use digital control panel. When the set temperature is reached, the timer starts counting. There is also a warning light that determines that the heating is done. When the power is cut off and restarted, it continues from where it left off. Values warn the user visually and audibly. Ventilation flap. Easy to clean inner surface. Homogenous and stable heat distribution. Maximum energy saving thanks to cell gasket and strong insulation. Dry Air Sterilisers - Ovens Our products, which are offered in various temperatures, sizes and volumes between ambient temperature +5 °C / +250 °C, are user-friendly with their ergonomic designs. Our own production of our own production, 27, 55 and 120 litre volume models are available. In addition, optional Dry Air Sterilisers - Dry Air Sterilisers are also available.
12	Saf Su Cihazı	NÜVE	ND 12	Distile Su Kapasitesi, litre/ saat 4 12 Distile Su Kapasitesi, litre/ saat 8 24 Dış Yüzey Yapısı Elektrostatik toz boyalı paslanmaz çelik sac İç Yüzey Yapısı Paslanmaz çelik
13	Kül Fırını	Magma therm		Kül Fırını 950°C Sürekli Çalışma Sıcaklığı 3 Litre Hacim Gıda, Plastik ve Diğer Organik Materyallerin Kül Analizleri gibi Her Türlü İşlem için İdeal Kolay Programlama. Kullanıcı Dostu Arayüz Tek Tuş ile Start/Stop 7- Segment LED Ekran ±1 °C Kontrol Hassasiyeti Homojen Sıcaklık Dağılımı Özgün İzolasyon Tasarımı Laboratuvar İçinde Minimal Yer Kaplayan Dışarı Çıktı Katmanlı Gövde ile Düşük Dış Yüzey Sıcaklığı Hafif İzolasyon Tuğlalarından Yapılmış Dayanıklı İç Hazne
14	Biyogüvenlik kabini	NÜVE	MIN 120	≥ 0,3 µm partiküller için % 99,995 verimlilikte iki adet HEPA filtre Paslanmaz çelikten yapılmış, yerinden çıkabilir üç parçalı çalışma yüzeyi TS EN 12469 belgeli Fan Motoru Debisi 2100 m3/h

