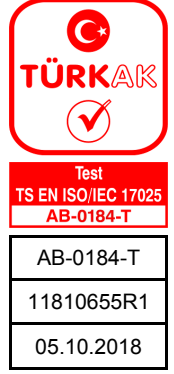


T.C.
TARIM ve ORMAN BAKANLIĞI
MRL ÖZEL GIDA KONTROL LABORATUVARI
(TURKISH REPUBLIC MINISTRY OF AGRICULTURE AND FORESTRY
MRL PRIVATE FOOD CONTROL LABORATORY)
MUAYENE VE ANALİZ RAPORU
(ANALYSIS REPORT)



Rapor No (Report No) : 11810655R1

Tarih (Date) : 05.10.2018

Analiz Amacı (Reason of Analysis) : ÖZEL İSTEK (PRIVATE REQUEST)
Numuneyi Gönderen / Adres (Sample sent by / Address) : AYBAKLAR TARIM ÜRÜNLERİ HAY. GIDA PETROL ÜR. İNŞ.KUYM.SAN.VE.TİC.A.S/KAHRAMANMARAŞ
Numune Alma Tutanağının Tarihi / Sayısı (Date and Number of Sampling Protocol) : - / -
Numunenin (Sample's)
Cinsi (Type) : Patlatmalık Mısır (Cin Mısır (Popcorn)) (Popcorn)
Miktarı/Adedi (Amount/Pieces) : 3070 g
Ambalajı (Package) : Kapalı Poly Ambalaj (Closed Poly Pack)
Seri No / Parti No / Mühür No (Serial No / Lot No / Seal No) : - / 09/18 / -
Üretici-Firma Adı / Kodu (Producer-Firm Name / Code) : Aybaklar A.Ş. / TR-46-K-001114 / -
Marka (Brand) : Aycin
Üretim ve Son Kullanma Tarihi (Production and Expire Date) : 2018 / 2020
Alındığı Yer ve Tarih (Location and Date of Sampling) : Aybaklar / 21.09.2018
Numuneyi Alan (Sample taken by) : Sabri Ertuğrul
Numune Kod Numarası (Sample Code Number) : Aycin 2018
Analiz Başlama ve Bitiş Tarihi (Date of Beginning and End of Analysis) : 26.09.2018 / 01.10.2018
Laboratuvara Geliş Şekli ve Tarihi (Delivery of sample / Date of receipt) : Kargo (by Cargo) / 26.09.2018 12:55

Yapılan Analizler (Analyses)	Sonuç/Ölçüm Belirsizliği (Result/Uncertainty)	Ölçüm Limiti (LOQ)	Birim (Unit)	Geri Kazanım (Recovery)	Analiz Metodu (Analyses Method)
Maya-Küf Sayımı (Mold and Yeast Count) ¹	<10/g		kob/g (cfu/g)		AOAC 2002.11
GDO Tarama Testi (GMO Screening Test) ¹		≤10	DNA kopyası (DNA copy)		ISO 21569, ISO 24276, R-Biopharm SureFood Method
35S Promoter	Tespit Edilemedi (Not Detected)				
NOS Terminatör	Tespit Edilemedi (Not Detected)				
FMV Promoter	Tespit Edilemedi (Not Detected)				
Toplam Fumonisin (B1+B2) (Total Fumonisin (B1+B2)) ¹	Tespit Edilemedi (Not Detected)	20.0	µg/kg		TS EN 14352
Kurşun(Pb) (Lead) ¹	Tespit Edilemedi (Not Detected)	0.030	mg/kg		TS EN 14084
Okkratoksin A (Ochratoxin A) ¹	Tespit Edilemedi (Not Detected)	0.40	µg/kg	% 93.8	AOAC 2000.03
Zearalenone (ZON) ¹	Tespit Edilemedi (Not Detected)	30.0	µg/kg	% 94.8	R-Biopharm,IFU,RP91,RP90.V13
Deoksinivalenol (DON) ¹	Tespit Edilemedi (Not Detected)	100.0	µg/kg	% 93.8	R-Biopharm,IFU,P50,P50B/V10
Kadmiyum(Cd) (Cadmium) ¹	Tespit Edilemedi (Not Detected)	0.025	mg/kg		TS EN 14084
Toplam Aflatoksin (B1+B2+G1+G2) (Total Content Of Aflatoxins) ¹	Tespit Edilemedi (Not Detected)	0.25	µg/kg		AOAC,991.31
Aflatoksin B1 (Aflatoxins B1) ¹	Tespit Edilemedi (Not Detected)	0.25	µg/kg	% 92.3	AOAC,991.31
Pestisit Kalıntıları (Residues Of Pesticides) ¹	Tespit Edilemedi (Not Detected)		mg/kg		QuEChERS, AOAC 2007.01
Pestisit Kalıntıları (Residues Of Pesticides) ¹	Tespit Edilemedi (Not Detected)		mg/kg		QuEChERS, AOAC 2007.01

QuEChERS, GC-MSD - Analiz edilen pestisit etken maddeleri ve Ölçüm Limiti (LOQ) listesi. (Analyzed pesticide active substances list and reporting limits (RL))

Acetochlor	0.005	Aclonifen	0.005	Acrinathrin	0.005	Alachlor	0.005
Aldrin(HHDN)	0.005	Azinphos-ethyl	0.005	Beflubutamid	0.010	Benalaxyl	0.005
Benfluralin(Benefin)	0.010	Benfuracarb	0.010	Bifenthrin	0.005	Binapacryl	0.010
Bitertanol I,II	0.010	Bromophos-ethyl	0.005	Bromopropylate (inc.4.4'-Dibromobenzophenone)	0.010	Butralin	0.005
Butylate	0.010	Cadusafos	0.010	Captan	0.010	Carbosulfan	0.010
Chinomethionat	0.005	Chlorbenside	0.005	Chlordane-cis(alpha)	0.005	Chlordane-trans(gamma)	0.005

Not: 5070 sayılı Elektronik İmza Kanunu gereği elektronik imza ile imzalanmıştır.

E-imzalı belge doğrulama linki: <https://trilms.sgs.com/Eimza/EimzaKontrol.aspx?ID=57dee6b1-1494-4402-9930-5c12c2ed30df10>

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.mrl.com.tr/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.mrl.com.tr/terms_e-document.htm.

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 15 days only.

Rapor No (Report No) : 11810655R1

Tarih (Date) : 05.10.2018

Yapılan Analizler (Analyses)	Sonuç/Ölçüm Belirsizliği (Result/Uncertainty)	Ölçüm Limiti (LOQ)	Birim (Unit)	Geri Kazanım (Recovery)	Analiz Metodu (Analyses Method)		
Chlorfenapyr	0.005	Chlorfenvinphos	0.005	Chlorobenzilate	0.005	Chloroneb	0.010
Chloropropylate	0.010	Chlorothalonil	0.005	Chloroprotham	0.005	Chlorpyrifos	0.005
Chlorpyrifos-methyl	0.005	Chlorthal-dimethyl	0.005	Cinidon-ethyl	0.005	Cyanazine	0.005
Cycloate	0.005	Cyfluthrin (I,II,III,IV)	0.010	Cyhalofop-butyl	0.005	Cyhalothrin-gamma	0.010
Cyhalothrin-lambda	0.005	Cypermethrin(alpha,beta,theta,zeta)	0.010	DDD-2,4'	0.005	DDD-4,4'	0.005
DDE-2,4'	0.005	DDE-4,4'	0.005	DDT-2,4'	0.005	DDT-4,4'	0.010
Deltamethrin	0.010	Di-allate (I,II)	0.010	Diazinon	0.005	Dichlobenil	0.010
Dichloroaniline,3-5	0.010	Diclobutrazol	0.010	Diclofop-methyl	0.010	Dicofo(4,4'-Dichlorobenzophenone)	0.010
Dieldrin	0.005	Diflufenican	0.010	Dimethachlor	0.005	Dimethipin	0.010
Diphenamid	0.005	Diphenylamine	0.005	Endosulfan-alpha	0.005	Endosulfan-beta	0.005
Endosulfan-sulfate	0.005	Endrin	0.005	Esfenvalerate	0.010	Etaconazole	0.010
Ethalfuralin	0.005	Ethoprophos	0.005	Etridiazole	0.010	Famoxadone	0.005
Fenazaquin	0.005	Fenaxox(Azoxybenzene)	0.010	Fenpropathrin	0.005	Fenpropidin	0.005
Fenvelarate	0.005	Fipronil	0.005	Flamprop-m-isopropyl	0.005	Fluazifop-p-butyl	0.005
Flucythrinate	0.010	Flumioxazine	0.005	Fluorochloridone	0.005	Flutolanil	0.010
Fluvalinate(Tau-fluvalinate)	0.010	Folpet	0.005	Formothion	0.005	Halfenprox	0.010
HCH-alpha isomer	0.005	HCH-beta isomer	0.010	HCH-delta isomer	0.005	Heptachlor	0.005
Heptachlor endo-epoxide	0.005	Heptachlor exo-epoxide	0.005	Hexachlorobenzene	0.005	Iprodione	0.005
Isoproturon	0.005	Lindane(gamma-HCH)	0.005	Malaoxon(Malathion-o-analog)	0.005	Malathion	0.005
Metalaxyl	0.005	Metazachlor	0.010	Methacrifos	0.005	Methoxychlor	0.005
Metolachlor	0.005	Metrafenone	0.010	Molinate	0.005	Nitrofen	0.005
Nitrothal-isopropyl	0.005	Oxadiazon	0.005	Oxyfluorfen	0.005	Paclbutrazol	0.010
Parathion-ethyl	0.005	Parathion-methyl	0.005	Pendimethalin	0.005	Pentachloroaniline	0.010
Permethrin	0.005	Phenthoate	0.005	Phorate	0.010	Phosalone	0.005
Picolinafen	0.005	Pirimiphos methyl	0.005	Procymidone	0.005	Profenofos	0.005
Prometryn	0.005	Propargite	0.005	Propyzamide	0.005	Prothiophos	0.005
Pyrazophos	0.005	Pyridaben	0.005	Pyriproxyfen	0.005	Quinalphos	0.005
Quinoxifen	0.010	Quintozene	0.005	Resmethrin	0.005	Simazine	0.005
Spiromesifen	0.010	Tecnazene	0.005	Tefluthrin	0.005	Terbutylazine	0.005
Terbutryn	0.005	Tetrachlorvinphos	0.005	Tetradiphon(Tetradifon)	0.005	Thiobencarb(Benthiocarb)	0.010
Thiometon	0.005	Tolclofos-methyl	0.005	Tolyfluanid	0.005	Triallate(Tri-allate)	0.005
Triazophos	0.010	Trifluralin	0.005	Vinclozolin	0.005		

QuEChERS, UPLC-MS/MS - Analiz edilen pestisit etken maddeleri ve Ölçüm Limiti (LOQ) listesi. (Analyzed pesticide active substances list and reporting limits (RL))

2,6-Dichlorobenzamide	0.010	Acephate	0.005	Acetamidrid	0.010	Aldicarb	0.010
Aldicarb-Sulfone(aldoxycarb)	0.005	Aldicarb-Sulfoxide	0.005	Amidosulfuron	0.010	Atrazine	0.010
Atrazine,Desethyl-	0.005	Atrazine,Desisopropyl-	0.005	Azinphos-methyl	0.005	Azoxystrobin	0.010
Boscalid(Nicobifen)	0.010	Bromoxynil	0.010	Bromuconazole	0.010	Bupirimate	0.010
Buprofezin	0.005	Carbaryl	0.005	Carbendazim/Benomyl	0.010	Carbofuran	0.005
Carbofuran-3-hydroxy	0.010	Carboxin	0.010	Carfentrazone-ethyl	0.010	Chloridazon	0.010
Chlorsulfuron	0.010	Chlorthiamid	0.010	Clethodim	0.010	Clodinafop-propargyl ester	0.010
Clofentezine	0.010	Clothianidin	0.010	Cymoxanil	0.010	Cyproconazole	0.010
Cyprodinil	0.010	Dazomet	0.010	Demeton-s-methyl	0.005	Demeton-s-methyl sulfone	0.010
Demeton-s-methyl-sulfoxide	0.010	Desmedipham	0.010	Dichlorvos(DDVP)	0.010	Diethofencarb	0.010
Difenoconazole	0.005	Diflubenzuron	0.010	Dimethenamid	0.010	Dimethoate	0.010
Dimethomorph	0.010	Diniconazole	0.010	Disulfoton	0.005	Disulfoton-sulfone	0.010
Disulfoton-sulfoxide	0.010	Diuron	0.010	DNOC	0.010	Dodine	0.010
Epoxiconazole	0.005	Ethofumesate	0.010	Etofenprox	0.010	Etoazole	0.005
Fenamidone	0.010	Fenamiphos	0.010	Fenarimol	0.010	Fenbuconazole	0.010
Fenhexamid	0.010	Fenoxaprop-p-ethyl	0.010	Fenoxycarb	0.010	Fenpyroximate	0.010
Fenthion	0.005	Fenthion-sulfoxide	0.010	Fluazinam	0.010	Fludioxonil	0.010
Flufenoxuron	0.010	Fluquinconazole	0.010	Flusilazole	0.010	Furathiocarb	0.010
Haloxifop-2-ethoxyethyl	0.010	Haloxifop-methyl	0.010	Hexaconazole	0.010	Hexythiazox	0.010
Imazail	0.010	Imidacloprid	0.010	Indoxacarb	0.010	Iodosulfuron-methyl	0.010
Iprovalicarb	0.010	Isoxaflutole	0.010	Kresoxim-methyl	0.010	Linuron	0.010
Lufenuron	0.010	Metamitron	0.010	Metconazole	0.010	Methabenzthiazuron	0.010
Methamidophos	0.010	Methiocarb	0.010	Methiocarb-sulfone	0.010	Methiocarb-sulfoxide	0.010
Methomyl	0.010	Methoxyfenozide	0.010	Metribuzin	0.010	Metsulfuron-methyl	0.010
Mevinphos	0.010	Monocrotophos	0.010	Monolinuron	0.010	Myclobutanil	0.010
Naled	0.010	Nicosulfuron	0.010	Omethoate	0.010	Oxamyl	0.010
Paraoxon-ethyl	0.010	Paraoxon-methyl	0.005	Penconazole	0.010	Pencycuron	0.010
Phenmedipham	0.010	Phorate-sulfone	0.010	Phosmet	0.010	Phosphamidon	0.010
Pirimicarb	0.005	Pirimicarb-desmethyl	0.010	Pirimicarb-desmethyl-formamido	0.010	Prochloraz	0.005
Propamocarb	0.010	Propanil	0.005	Propazine	0.010	Propiconazole	0.010

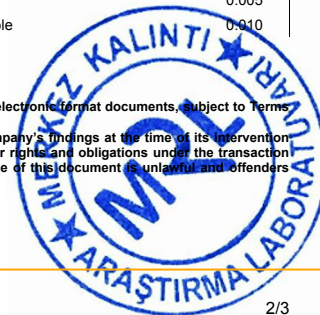
Not: 5070 sayılı Elektronik İmza Kanunu gereği elektronik imza ile imzalanmıştır.

E-İmzalı belge doğrulama linki: <https://trilms.sgs.com/Eimza/EimzaKontrol.aspx?ID=57dee6b1-1494-4402-9930-5c12c2ed30df10>

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.mrl.com.tr/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.mrl.com.tr/terms_e-document.htm.

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 15 days only.



Rapor No (Report No) : 11810655R1

Tarih (Date) : 05.10.2018

Yapılan Analizler (Analyses)	Sonuç/Ölçüm Belirsizliği (Result/Uncertainty)	Ölçüm Limiti (LOQ)	Birim (Unit)	Geri Kazanım (Recovery)	Analiz Metodu (Analyses Method)		
Propoxur	0.010	Propoxycarbazon	0.010	Prosulfocarb	0.005	Prosulfuron	0.010
Pymetrozine	0.010	Pyraclostrobin	0.005	Pyraflufen-ethyl	0.010	Pyridate	0.010
Pyrimethanil	0.010	Pyrimidifen	0.010	Quizalofop-ethyl	0.005	Rimsulfuron	0.010
Sebuthylazine	0.010	Sethoxydim	0.010	Spinosad	0.010	Spirodiclofen	0.005
Spiroxamine	0.010	Tebuconazole	0.010	Tebufenozide	0.005	Tebufenpyrad	0.005
Teflubenzuron	0.010	Tetraconazole	0.010	Thiabendazole	0.010	Thiamethoxam	0.010
Thiodicarb	0.010	Thiophanate-methyl	0.010	Triadimefon	0.010	Triadimenol	0.010
Tribenuron-methyl	0.010	Trichlorfon	0.010	Vamidotion	0.010		

Yapılan muayene ve analiz sonucunda yukarıda belirtilen değerler tespit edilmiştir. (Above mentioned values have been determined from the analytical work performed)

Deney laboratuvarı olarak faaliyet gösteren MRL Merkez Kalıntı Araştırma Laboratuvarı, TÜRKAK'tan AB-0184-T ile TS EN ISO/IEC 17025:2012 standardına göre akredite edilmiştir. (MRL Central Research and Control Laboratory accredited by TÜRKAK under registration number AB-0184-T for TS EN ISO/IEC 17025:2012 as test laboratory.)

Notlar (Notes)

- Bu analiz raporu adli-idari işlemlerde ve reklam amacıyla kullanılamaz. (This report shall not be used in the executive-judicial processes and for advertising purposes)
- Bu analiz raporunun hiç bir bölümü tek başına veya ayrı ayrı kullanılamaz. (This report with all parts is a whole, no part of this report can be used separately)
- Analiz sonuçları yukarıda belirtilen numune için geçerlidir. (Results of analysis belong to sample mentioned above)
- İzniniz alınmadan raporlarımız çoğaltılamaz ve yayınlanamaz. İmzasız ve mühürsüz raporlar geçersizdir. (No copy or no publish without permission. The report without signature and seal are invalid)
- LOQ: Minimum Ölçüm Limiti (LOQ: Limit Of Quantitation)
- Bu rapor ile aynı numuneye ait 02.10.2018 tarih ve 11810655 protokol no'lu rapor geçersiz hale gelmiştir, imha edilmesini rica ederiz. (11810655 report number has become invalid which prepared on 02.10.2018. Please destroy it.)
- Parti no kısmında değişiklik yapılmıştır. (Brand of was changed.)

Açıklamalar (Description)

¹:Bu analiz akreditasyon kapsamındadır.(This analyze covered by accreditation.)

Numune Kabul ve Raporlama Böl. Sorumlusu

(Head of Sample Admisson and Reporting Dept.)

Kimyager

(Chemist)

FERHAT ATMACA

Kimya Bölüm Sorumlusu

(Head of Chemical Department)

Kimyager

(Chemist)

AHMET TAŞKIRAN

Mikrobiyoloji Bölüm Sorumlusu

(Head of Microbiology Department)

Uzman Biyolog

(Senior Biologist)

MURAT ÇOKAKLI

Moleküler Biyoloji ve Genetik Bölüm Sorumlusu

(Head of Molecular Biology and Genetics Department)

Moleküler Biyolog ve Genetikçi

(Molecular Biologist and Geneticist)

EZGİ ÇOKAKLI

05.10.2018

Tasdik Olunur (Approved by)

Laboratuvar Müdürü (Laboratory Manager)

Gıda Yüksek Mühendisi (Food Engineer M.Sc.)

ORHAN GÖZEN

Not: 5070 sayılı Elektronik İmza Kanunu gereği elektronik imza ile imzalanmıştır.

E-imzalı belge doğrulama linki: <https://trilms.sgs.com/Eimza/EimzaKontrol.aspx?ID=57dee6b1-1494-4402-9930-5c12c2ed30df10>

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.mrl.com.tr/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.mrl.com.tr/terms_e-document.htm.

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 15 days only.

