



TÜRKİYE CUMHURİYETİ  
HELAL AKREDİTASYON KURUMU

# HELAL AKREDİTASYON SERTİFİKASI

**Helal Uygunluk Alanında Deney Yapan**

**TÜBİTAK MARMARA ARAŞTIRMA MERKEZİ**

**Adres :** Barış Mahallesi Dr. Zeki Acar Caddesi No:1 P.K. 21  
Gebze/KOCAELİ

**OIC/SMIIC 35:2020 standardı çerçevesinde ekte  
gösterilen kapsamlar için akredite edilmiştir.**

Helal Akreditasyon Numarası

**2023-027**

Helal Akreditasyon Kapsamı

**Ekte belirtilmiştir**

İlk Helal Akreditasyon Tarihi

**24.03.2023**

Revizyon Tarihi

**28.02.2025**

Helal Akreditasyon Bitiş Tarihi

**24.03.2028**

Bu sertifika; OIC/SMIIC 35:2020 standardına, ulusal mevzuata ve Helal Akreditasyon Kurumu kurallarına uyulduğu takdirde akredite olunan kapsam için belirtilen süreye kadar geçerlidir.

**Zafer SOYLU**  
Yönetim Kurulu Başkanı



TÜRKİYE CUMHURİYETİ  
HELAL AKREDİTASYON KURUMU

**EK**  
**HELAL AKREDİTASYON KAPSAMI**

<b>Deney Kapsamı - Deneyi Yapılan Malzemeler/Ürünler</b>	<b>Deney Adı</b>	<b>Deney Metodu (Ulusal, Uluslararası standartlar, işletme-içi metodlar)</b>
Et ve Et Ürünleri	Tür Tespiti (Domuz DNA'sı Aranması) Real Time PCR Metodu Ön işlem: DNA Ekstraksiyonu	Kit Metodu (Fluorion Meat Species Identification QLP 1.0 Kit Manuel) Kit Metodu (Eurofins GENESpin DNA İzolasyon Kit Manuel)
Gıda, Yem	DAS 68416-4 Soya Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	EURL Metot (QT-EVE-GM-013), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	CV127 Soya Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	EURL Metot (QT-EVE-GM-011), ISO, 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	MON87769 Soya Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	EURL Metot (QT-EVE-GM-002), ISO, 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571



TÜRKİYE CUMHURİYETİ  
HELAL AKREDİTASYON KURUMU

## EK HELAL AKREDİTASYON KAPSAMI

Deney Kapsamı - Deneyi Yapılan Malzemeler/Ürünler	Deney Adı	Deney Metodu (Ulusal, Uluslararası standartlar, işletme-içi metodlar)
Gıda, Yem	MON 87708 Soya Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	EURL Metot (QT-EVE-GM-012), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	CV127 Soya Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	Kit Metodu (SureFood GMO ID 4plex Soya Test Kiti) ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	DP305423 Soya Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	Kit Metodu (SureFood GMO ID 4plex Soya Test Kiti) ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	MON87701 Soya Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem:DNA Ekstraksiyonu	EURL Metot (QT-EVE-GM-010), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571





TÜRKİYE CUMHURİYETİ  
HELAL AKREDİTASYON KURUMU

**EK**  
**HELAL AKREDİTASYON KAPSAMI**

<b>Deney Kapsamı - Deneyi Yapılan Malzemeler/Ürünler</b>	<b>Deney Adı</b>	<b>Deney Metodu (Ulusal, Uluslararası standartlar, işletme-içi metodlar)</b>
Gıda, Yem ve Tohum	MON87769 Soya Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	Kit Metodu (SureFood GMO ID 4plex Soya Test Kiti) ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem	DP-305423-1 Soya Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	EURL Metot (QT-EVE-GM-008), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	DAS 40278-9 Mısır Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	EURL Metot (QT-EVE-ZM-004), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	DAS-81419-2 Soya Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	EURL Metot (QT-EVE-GM-014), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571



TÜRKİYE CUMHURİYETİ

HELAL AKREDİTASYON KURUMU

**EK**  
**HELAL AKREDİTASYON KAPSAMI**

<b>Deney Kapsamı - Deneyi Yapılan Malzemeler/Ürünler</b>	<b>Deney Adı</b>	<b>Deney Metodu (Ulusal, Uluslararası standartlar, işletme-içi metodlar)</b>
Gıda, Yem ve Tohum	DAS 44406-6 Soya Tip Belirleme ve Miktar Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	EURL Metot (QT-EVE-GM-015), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	MON87751-7 Soya Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	EURL Metot (QT-EVE-GM-016), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	Tür Tespiti (Domuz DNA'sı Aranması) Real Time PCR Metodu Ön işlem: DNA Ekstraksiyonu	Kit Metodu (Biotecon Foodproof Porcine Detection LyoKit) Kit Metodu (Biotecon Foodproof Sample Preparation Kit III) İşletme İçi Metot D.18.01-02.10.AY.36 (Rev No: 00)
Gıda, Yem ve Tohum	GDO Tarama Analizi (p35S, tNOS, pFMV, bar) Real Time PCR Metodu Ön işlem: DNA Ekstraksiyonu	Kit Metodu (Biotecon Foodproof GMO Screening Kit) ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571



TÜRKİYE CUMHURİYETİ

HELAL AKREDİTASYON KURUMU

**EK**  
**HELAL AKREDİTASYON KAPSAMI**

<b>Deney Kapsamı - Deneyi Yapılan Malzemeler/Ürünler</b>	<b>Deney Adı</b>	<b>Deney Metodu (Ulusal, Uluslararası standartlar, işletme-içi metodlar)</b>
Gıda, Yem ve Tohum	Bitki Spesifik Soya Geni Aranması Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	Kit Metodu(SureFood GMO Plant 4plex Corn/Soya/Canola/Cotton Kiti), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	Bitki Spesifik Mısır Geni Aranması Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	Kit Metodu(SureFood GMO Plant 4plex Corn/Soya/Canola/Cotton Kiti), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	Bitki Spesifik Şeker Pancarı Geni Aranması Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	İşletme İçi Metot D.18.01-02.10.AY.39 Rev No: 00 İşletme İçi Metot D.18.01-02.10.AY.36 Rev No: 00
Gıda, Yem ve Tohum	Bitki Spesifik Pamuk Geni Aranması Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	Kit Metodu(SureFood GMO Plant 4plex Corn/Soya/Canola/Cotton Kiti), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571



TÜRKİYE CUMHURİYETİ  
HELAL AKREDİTASYON KURUMU

**EK**  
**HELAL AKREDİTASYON KAPSAMI**

<b>Deney Kapsamı - Deneyi Yapılan Malzemeler/Ürünler</b>	<b>Deney Adı</b>	<b>Deney Metodu (Ulusal, Uluslararası standartlar, işletme-içi metodlar)</b>
Gıda, Yem ve Tohum	GHB614 Pamuk Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	Kit Metodu (Eurofins GMOldent RT GHB614 Cotton Test Kiti), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	MON87708 Soya Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	Kit Metodu (SureFood GMO ID 4plex Soya Test Kiti) ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	3006-210-23 Pamuk Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	Kit Metodu (Eurofins GMOldent RT 3006-210-23 Cotton Test Kiti) ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	281-24-236 Pamuk Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	Kit Metodu (Eurofins GMOldent RT 281-24-236 CottonTest Kiti) ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571



TÜRKİYE CUMHURİYETİ  
HELAL AKREDİTASYON KURUMU

**EK**  
**HELAL AKREDİTASYON KAPSAMI**

<b>Deney Kapsamı - Deneyi Yapılan Malzemeler/Ürünler</b>	<b>Deney Adı</b>	<b>Deney Metodu (Ulusal, Uluslararası standartlar, işletme-içi metodlar)</b>
Gıda, Yem ve Tohum	MON87701 Soya Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	Kit Metodu (SureFood GMO ID 4plex Soya Test Kiti) ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
İşlenmiş Gıda ve Gıda Katkı Maddeleri	Tür Tespiti (Domuz DNA'sı Aranması) Real Time PCR Metodu Ön işlem: DNA Ekstraksiyonu	İşletme İçi Metot D.18.01-02.10.AY.24 Rev No:01 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III) İşletme İçi Metot D.18.01-02.10.AY.36 Rev No: 00
Gıda, Yem ve Tohum	GDO Tarama Analizi (p35S, tNOS, pFMV) Real Time PCR Metodu Ön işlem: DNA Ekstraksiyonu	JRC Compendium of Reference Methods for GMO Analysis (QL-ELE-00-013, QL-ELE-00-015), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	GDO Tarama Analizi (p35S, tNOS, pFMV) Real Time PCR Metodu Ön işlem: DNA Ekstraksiyonu	Kit Metodu (Surefood GMO 35S + NOS+FMV Screening Real-Time PCR Kit Manuel), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571



TÜRKİYE CUMHURİYETİ  
HELAL AKREDİTASYON KURUMU

**EK**  
**HELAL AKREDİTASYON KAPSAMI**

<b>Deney Kapsamı - Deneyi Yapılan Malzemeler/Ürünler</b>	<b>Deney Adı</b>	<b>Deney Metodu (Ulusal, Uluslararası standartlar, işletme-çi metodlar)</b>
Gıda, Yem ve Tohum	GDO Tarama Analizi (p35S, tNOS, pFMV) Real Time PCR Metodu Ön işlem: DNA Ekstraksiyonu	Kit Metodu (Surefood GMO Screen 4plex 35S/NOS/FMV+IAC Real-Time PCR Kit Manuel), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manuel), ISO 21571
Gıda, Yem ve Tohum	GDO Tarama Analizi (p35S, tNOS, pFMV) Real Time PCR Metodu Ön işlem: DNA Ekstraksiyonu	Kit Metodu (GEN-IAL genControl RT Triplex IV Plus Plant Kit), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manuel), ISO 21571
Sığır Eti ve Sığır Eti Ürünleri	Sakatat ve Yabancı Doku Tayini Reserve Transkriptaz PCR Yöntemi	İşletme İçi Metot D.18.01-02.10.AY.33 Rev No: 00
Fındık ve Fındık Ürünleri	Fındık Proteini Tayini ELISA Metodu	R-Biofarm RIDASCREEN FAST Hazelnut Art. No. R6802 Kit Prosedürü
Gıda, Yem ve Tohum	Bitki Spesifik Kanola Geni Aranması Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	EURL Metot (QT-TAX-BN-012), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manuel), ISO 21571



TÜRKİYE CUMHURİYETİ  
HELAL AKREDİTASYON KURUMU

**EK**  
**HELAL AKREDİTASYON KAPSAMI**

<b>Deney Kapsamı - Deneyi Yapılan Malzemeler/Ürünler</b>	<b>Deney Adı</b>	<b>Deney Metodu (Ulusal, Uluslararası standartlar, işletme-içi metodlar)</b>
Gıda, Yem ve Tohum	GHB614 Pamuk Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	EURL Metot (QT-EVE-GH-006), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	3006-210-23 Pamuk Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	EURL Metot (QT-EVE-GH-001b), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	281-24-236 Pamuk Tip Belirleme Analizi Real Time PCR Metodu Ön İşlem: DNA Ekstraksiyonu	EURL Metot (QT-EVE-GH-001a), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	DP-073496-4 Kanola Tip Belirleme Analizi Real Time PCR Metodu Ön işlem: DNA Ekstraksiyonu	EURL Metot (QT-EVE-BN-009), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571



TÜRKİYE CUMHURİYETİ  
HELAL AKREDİTASYON KURUMU

**EK**  
**HELAL AKREDİTASYON KAPSAMI**

<b>Deney Kapsamı - Deneyi Yapılan Malzemeler/Ürünler</b>	<b>Deney Adı</b>	<b>Deney Metodu (Ulusal, Uluslararası standartlar, işletme- içi metodlar)</b>
Gıda, Yem ve Tohum	MON94100 Kanola Tip Belirleme Analizi Real Time PCR Metodu Ön işlem: DNA Ekstraksiyonu	EURL Metot (QT-EVE-BN-014), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Gıda, Yem ve Tohum	GHB 811 Pamuk Tip Belirleme Analizi Real Time PCR Metodu Ön işlem: DNA Ekstraksiyonu	EURL Metot (QT-EVE-GH-013), ISO 21569, ISO 24276 Kit Metodu (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

# HALAL ACCREDITATION CERTIFICATE

**Laboratory Performing Halal Testing**

**TUBITAK MARMARA RESEARCH CENTER**

Address : Barış Mahallesi Dr. Zeki Acar Caddesi No:1 P.K. 21,  
Gebze/KOCAELİ

**Accredited in accordance with the OIC/SMIIC 35:2020  
Standard for the attached scope.**

Halal Accreditation Number  
**2023-027**

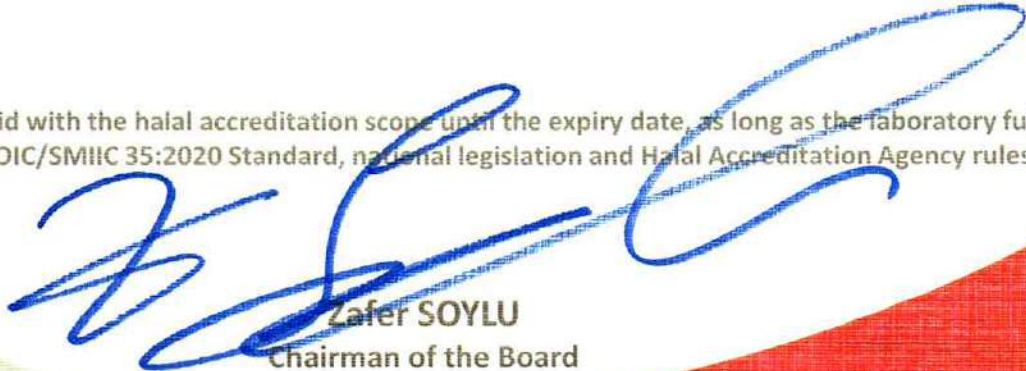
Halal Accreditation Scope  
**Shown in annex**

Initial Halal Accreditation Date  
**24.03.2023**

Revizyon Tarihi  
**28.02.2025**

Expiry Date  
**24.03.2028**

This certificate is valid with the halal accreditation scope until the expiry date, as long as the laboratory fully complies with the OIC/SMIIC 35:2020 Standard, national legislation and Halal Accreditation Agency rules.

  
Zafer SOYLU  
Chairman of the Board



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

## **ANNEX**

### **HALAL ACCREDITATION SCOPE**

<b>Testing Fields-Tested Materials/ Products</b>	<b>Name of Test</b>	<b>Testing Method (national, international standards, in-house methods)</b>
Food Feed and seeds	GMO Screening assay (p35S, tNOS, pFMV) Real-time PCR Method Pretreatment: DNA Extraction	JRC Compendium of Reference Methods for GMO Analysis (QL-ELE-00-013, QL-ELE-00-015), ISO 21569, ISO 24276 Kit Method (Biotecon Foodproof sample preparation kit III, Genespin DNA Extraction Kit user manual ), ISO 21571
Food Feed and seeds	GMO Screening assay (p35S, tNOS, FMV) Real-time PCR Method Pretreatment: DNA Extraction	Kit Method (Surefood GMO 35S + NOS+FMV Screening Real-Time PCR Kit Manuel), ISO 21569, ISO 24276 Kit Method (Biotecon Foodproof sample preparation kit III, Genespin DNA Extraction Kit user manual), ISO 21571
Meat and Meat Products	Meat species identification (screening of pig meat) Real-time PCR Method Pretreatment: DNA Extraction	Kit Method (Fluorion Meat Species Identification QLP 1.0 Kit Manuel) Kit Method (Genespin DNA Extraction Kit user manual)
Food Feed and seeds	GMO Screening assay (p35S, tNOS, FMV) Real-time PCR Method Pretreatment: DNA Extraction	Kit Method (Biotecon Diagnostics Foodproof Kit) ISO 21569, ISO 24276) Kit Method (Biotecon Foodproof sample preparation kit III, Genespin DNA Extraction Kit user manual), ISO 21571





REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

## ANNEX HALAL ACCREDITATION SCOPE

Testing Fields-Tested Materials/ Products	Name of Test	Testing Method (national, international standards, in-house methods)
Food Feed and seeds	Plant specific soy gene screening Real-time PCR Method Pretreatment: DNA Extraction	Kit Method (SureFood GMO Plant 4 plex Corn/soya/cotton/canola Test Kit), ISO 21569, ISO 24276 Kit Method (Genespin DNA Extraction Kit user manual, Biotecon Foodproof sample preparation kit III), ISO 21571
Food Feed and seeds	Plant specific cotton gene screening Real-time PCR Method Pretreatment: DNA Extraction	Kit Method (SureFood GMO Plant 4 plex Corn/soya/cotton/canola Test Kit), ISO 21569, ISO 24276 Kit Method (Genespin DNA Extraction Kit user manual, Biotecon Foodproof sample preparation kit III), ISO 21571
Food Feed and seeds	MON87701 Soy Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	Kit Method (SureFood GMO ID 4plex Soya Test Kit) ISO 21569, ISO 24276 Kit Method (Genespin DNA Extraction Kit user manual, Biotecon Foodproof sample preparation kit III), ISO 21571
Food Feed and seeds	MON87708 Soy Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	Kit Method (SureFood GMO ID 4plex Soya Test Kit) ISO 21569, ISO 24276 Kit Method (Genespin DNA Extraction Kit user manual, Biotecon Foodproof sample preparation kit III), ISO 21571



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

## **ANNEX** **HALAL ACCREDITATION SCOPE**

<b>Testing Fields-Tested Materials/ Products</b>	<b>Name of Test</b>	<b>Testing Method (national, international standards, in-house methods)</b>
Food Feed and seeds	MON87769 Soy Type identification assay Real-time PCR Method  Pretreatment: DNA Extraction	Kit Method (SureFood GMO ID 4plex Soya Test Kit)  ISO 21569, ISO 24276  Kit Method (Genespin DNA 10Extraction Kit user manual, Bioteccon Foodproof sample preparation kit III), ISO 21571
Food Feed and seeds	CV 127 Soy Type identification assay Real-time PCR Method  Pretreatment: DNA Extraction	Kit Method (SureFood GMO ID 4plex Soya Test Kit)  ISO 21569, ISO 24276  Kit Method (Genespin DNA Extraction Kit user manual, Bioteccon Foodproof sample preparation kit III), ISO 21571
Food Feed and seeds	DP 305423 Soy Type identification assay Real-time PCR Method  Pretreatment: DNA Extraction	Kit Method (SureFood GMO ID 4plex Soya Test Kit)  ISO 21569, ISO 24276  Kit Method (Genespin DNA Extraction Kit user manual, Bioteccon Foodproof sample preparation kit III), ISO 21571
Food Feed and seeds	281-24-36 cotton Type identification assay Real-time PCR Method  Pretreatment: DNA Extraction	Kit Method (Eurofins GMOIdent RT 281-24-236 COTTON Test Kit)  ISO 21569, ISO 24276  Kit Method (Genespin DNA Extraction Kit user manual, Bioteccon Foodproof sample preparation kit III), ISO 21571



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

## **ANNEX**

### **HALAL ACCREDITATION SCOPE**

<b>Testing Fields-Tested Materials/ Products</b>	<b>Name of Test</b>	<b>Testing Method (national, international standards, in-house methods)</b>
Food Feed and seeds	3006-210-23 cotton Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	Kit Method (Eurofins GMOldent RT 3006-210-23 COTTON Test Kit) ISO 21569, ISO 24276 Kit Method (Genespin DNA Extraction Kit user manual, Biotecon Foodproof sample preparation kit III), ISO 21571
Food Feed and seeds	GHB614 cotton Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	Kit Method (Eurofins GMOldent RT GHB614 COTTON Test Kit) ISO 21569, ISO 24276 Kit Method (Genespin DNA Extraction Kit user manual, Biotecon Foodproof sample preparation kit III), ISO 21571
Beef and beef products	Offal and foreign tissue determination assay. Reverse Transcriptase PCR method	In-House Method D.18.01-02.10.AY.33 Rev No: 00
Hazelnut and hazelnut products	Hazelnut protein assay ELISA Method	R-Biofarm RIDASCREEN FAST Hazelnut Art. No. R6802 Kit Prosedürü



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

## **ANNEX** **HALAL ACCREDITATION SCOPE**

<b>Testing Fields-Tested Materials/ Products</b>	<b>Name of Test</b>	<b>Testing Method (national, international standards, in-house methods)</b>
Food Feed and seeds	Plant specific corn gene screening Real-time PCR Method  Pretreatment: DNA Extraction	Kit Method (SureFood GMO Plant 4 plex Corn/soya/cotton/canola Test Kit), ISO 21569, ISO 24276  Kit Method (Biotecon Foodproof sample preparation kit III, Genespin DNA Extraction Kit), ISO 21571
Food Feed and seeds	DAS40278-9 corn Type identification assay Real-time PCR Method  Pretreatment: DNA Extraction	EURL Method (QT-EVE-ZM-004), ISO 21569, ISO 24276  Kit Method (Biotecon Foodproof sample preparation kit III, Genespin DNA Extraction Kit), ISO 21571
Processed food and food additives	Porcine DNA screening assay Real-time PCR Method  Pretreatment: DNA Extraction	Kit Method (Biotecon Foodproof Porcine Detection LyoKit) Kit Method (Biotecon Foodproof Sample Preparation Kit III) In-House Method D.18.01-02.10.AY.36 (Rev No: 00)
Processed food and food additives	Porcine DNA screening assay Real-time PCR Method  Pretreatment: DNA Extraction	In-House Method D.18.01-02.10.AY.24 Rev No:01 Kit Method (Biotecon Foodproof Sample Preparation Kit III) ) In-House Method D.18.01-02.10.AY.36 Rev No: 00



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

## **ANNEX**

### **HALAL ACCREDITATION SCOPE**

<b>Testing Fields-Tested Materials/ Products</b>	<b>Name of Test</b>	<b>Testing Method (national, international standards, in-house methods)</b>
Food, Feed and seeds	Plant specific sugar beet gene screening Real-time PCR Method Pretreatment: DNA Extraction	In-House Method D.18.01-02.10.AY.39 Rev No: 00 In-House Method D.18.01-02.10.AY.36 Rev No: 00
Food Feed and seeds	GMO Screening assay (p35S, tNOS, FMV) Real-time PCR Method Pretreatment: DNA Extraction	Kit Method (Surefood GMO Screen 4plex 35S/NOS/FMV+IAC Real-Time PCR Kit Manuel), ISO 21569, ISO 24276 Kit Method (Biotecon Foodproof sample preparation kit III, Genespin DNA Extraction Kit), ISO 21571
Food Feed and seeds	DAS-44406-6 Soy Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-015), ISO 21569, ISO 24276 Kit Method (Biotecon Foodproof sample preparation kit III, Genespin DNA Extraction Kit), ISO 21571
Food Feed and seeds	DAS-68416-4 Soy Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-013), ISO 21569, ISO 24276 Kit Method (Biotecon Foodproof sample preparation kit III, Genespin DNA Extraction Kit), ISO 21571



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

## **ANNEX**

### **HALAL ACCREDITATION SCOPE**

<b>Testing Fields-Tested Materials/ Products</b>	<b>Name of Test</b>	<b>Testing Method (national, international standards, in-house methods)</b>
Food Feed and seeds	DAS-81419-2 Soy Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-014), ISO21569, ISO24276 Kit Method (Biotecon Foodproof sample preparation kit III, Genespin DNA Extraction Kit), ISO 21571
Food Feed and seeds	MON87751-7 Soya Soy Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-016), ISO21569, ISO24276 Kit Method (Biotecon Foodproof sample preparation kit III, Genespin DNA Extraction Kit), ISO 21571
Food Feed and seeds	DP305423 Soy Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-008), ISO21569, ISO24276 Kit Method (Biotecon Foodproof sample preparation kit III, Genespin DNA Extraction Kit), ISO 21571
Food Feed and seeds	CV127 Soy Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-011), ISO21569, ISO24276 Kit Method (Biotecon Foodproof sample preparation kit III, Genespin DNA Extraction Kit), ISO 21571



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

## **ANNEX**

### **HALAL ACCREDITATION SCOPE**

<b>Testing Fields-Tested Materials/ Products</b>	<b>Name of Test</b>	<b>Testing Method (national, international standards, in-house methods)</b>
Food Feed and seeds	MON87769 Soy Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-022), ISO21569, ISO24276 Kit Method (Biotecon Foodproof sample preparation kit III, Genespin DNA Extraction Kit), ISO 21571
Food Feed and seeds	MON87708 Soy Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-012), ISO21569, ISO24276 Kit Method (Biotecon Foodproof sample preparation kit III, Genespin DNA Extraction Kit), ISO 21571
Food Feed and seeds	MON87701 Soy Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-010), ISO21569, ISO24276 Kit Method (Biotecon Foodproof sample preparation kit III, Genespin DNA Extraction Kit), ISO 21571
Food Feed and seeds	GMO Screening assay (p35S, tNOS, FMV) Real-time PCR Method Pretreatment: DNA Extraction	Kit Method (GEN-IAL genControl RT Triplex IV plus plant kit), ISO21569, ISO24276 Kit Method (Biotecon Foodproof sample preparation kit III, Genespin DNA Extraction Kit), ISO 21571
Food Feed and seeds	Plant specific canola gene screening Real-time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-TAX-BN-012), ISO 21569, ISO 24276 Kit Method (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

## **ANNEX**

### **HALAL ACCREDITATION SCOPE**

<b>Testing Fields-Tested Materials/ Products</b>	<b>Name of Test</b>	<b>Testing Method (national, international standards, in-house methods)</b>
Food Feed and seeds	GHB614 cotton Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GH-006), ISO 21569, ISO 24276 Kit Method (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Food Feed and seeds	3006-210-23 cotton Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GH-001b), ISO 21569, ISO 24276 Kit Method (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Food Feed and seeds	281-24-236 cotton Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	EURL Method(QT-EVE-GH-001a), ISO 21569, ISO 24276 Kit Method (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Food Feed and seeds	DP-073496-4 canola Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-BN-009), ISO 21569, ISO 24276 Kit Method (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

## **ANNEX**

### **HALAL ACCREDITATION SCOPE**

<b>Testing Fields-Tested Materials/ Products</b>	<b>Name of Test</b>	<b>Testing Method (national, international standards, in-house methods)</b>
Food Feed and seeds	MON94100 canola Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-BN-014), ISO 21569, ISO 24276 Kit Method (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571
Food Feed and seeds	GHB 811 cotton Type identification assay Real-time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GH-013), ISO 21569, ISO 24276 Kit Method (Biotecon Foodproof Sample Preparation Kit III, Eurofins Genespin DNA İzolasyon Kit Manual), ISO 21571