



International Shooting Sport Federation
Internationaler Schiess-Sportverband e.V.
Fédération Internationale de Tir Sportif
Federación Internacional de Tiro Deportivo

RULE INTERPRETATION –

Requirements for eco-friendly clay targets (normal and flash clay targets) according to ISSF General Technical Rule 6.3.6

6.3.6 Clay Targets for Shotgun Events

[...] Clay targets used in the Olympic Games, ISSF World Championships and World Cups must be eco-friendly targets that comply with appropriate international standards (contact ISSF Headquarters for details). Clay targets used in Continental Games and Championships should be eco-friendly targets.*

*** Definition of “eco-friendly clay targets”**

A clay target (for flash clay targets, including powder) can be considered “eco-friendly” if the clay target meets the following standard:

Parameter	Category 3:	
	Material (no toys), with a predictable skin contact up to 30 s (short-term skin contact)	
Benzo[a]pyren (BaP)	<1 [mg/kg]	Limit values based on Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals [Annex XVII – limit values for polycyclic aromatic hydrocarbons (PAHs)]
Benzo[a]anthracen	<1 [mg/kg]	
Chrysen	<1 [mg/kg]	
Benzo[b]fluoranthen	<1 [mg/kg]	
Benzo[k]fluoranthen	<1 [mg/kg]	
Dibenzo[a,h]anthracen	<1 [mg/kg]	
Benzo[j]fluoranthene	<1 [mg/kg]	
Benzo[e]pyren	<1 [mg/kg]	
Indeno(1,2,3-c,d)pyren	<1 [mg/kg]	
Benzo(g,h,i)perylene	<1 [mg/kg]	
Acenaphthylen	<50 [mg/kg] (total of all seven PAHs)	
Acenaphthen		
Fluoren		
Phenanthren		
Anthracen		
Fluoranthen		
Pyren		
Naphthalin	<10 [mg/kg]	
Total of all 18 PAHs	<50 [mg/kg]	

The compliance with these limits has to be proven by the producer/manufacturer of the targets through submission of an according test report of an ISO/IEC 17025 accredited laboratory/institute (specifically accredited for PAH-testing) to the ISSF Headquarters. The results of the test report must not be older than 12 months.