

NUDEC®PET

Food Contact Compliance - Europe

To whom it may concern,

We, NUDEC S. A., hereby confirm that our NUDEC®PET Clear complies the requirements of the European Community regulations for plastics used in food-contact applications (EU) No 10/2011.

All the monomers used by our PET resin suppliers in the production are currently listed in Annex II of Commission Directive 2002/72/EC and amendments.

Migration tests for NUDEC®PET up to 3 mm thickness (Regulation 10/2011):

Test	Standard	Units	Limit	Value	Conclusion
Global migration					
Simulant A	UNE-EN 1186-1 UNE-EN 1186-3	mg/dm²	10	< 1,2	OK
Simulant B	UNE-EN 1186-1 UNE-EN 1186-3	mg/dm²	10	< 2,4	OK
Simulant D2 (olive oil)	UNE-EN 1186-1 UNE-EN 1186-2	mg/dm²	10	< 3,0	OK
Specific migration					
Terephthalic acid (CAS nº 100-21-0) Isophthalic acid (CAS nº 121-91-5) Ethylene glycol (CAS nº 107-21-1) Diethylene glycol (CAS nº 111-46-4) Acetaldehyde (CAS nº 75-07-0) Antimony (CAS nº 7440-36-0)	UNE-EN 13130-1 UNE-EN 13130-2	mg/kg	7,5	< 0,81	OK
	UNE-EN 13130-1 UNE-EN 13130-2	mg/kg	5,0	< 0,82	OK
	UNE-EN 13130-1 UNE-EN 13130-7	mg/kg	30	< 4,3	OK
	UNE-EN 13130-1	mg/kg	6	< 2,0	OK
	UNE-EN 13130-1	mg/kg	0,04	< 0,005	OK

Migration tests for NUDEC®PET from 3 to 6 mm thickness (Regulation 10/2011):

Test	Standard	Units	Limit	Value	Conclusion
Global migration					
Simulant A	UNE-EN 1186-1 UNE-EN 1186-3	mg/dm ²	10	< 1,2	OK
Simulant B	UNE-EN 1186-1 UNE-EN 1186-3	mg/dm ²	10	< 1,2	OK
Simulant D2 (olive oil)	UNE-EN 1186-1 UNE-EN 1186-2	mg/dm ²	10	< 3,0	OK
Specific migration					
Terephthalic acid (CAS nº 100-21-0)	UNE-EN 13130-1 UNE-EN 13130-2	mg/kg	7,5	< 0,81	OK
Isophthalic acid (CAS nº 121-91-5)	UNE-EN 13130-1 UNE-EN 13130-2	mg/kg	5,0	< 0,82	OK
Ethylene glycol (CAS nº 107-21-1)	UNE-EN 13130-1	mg/kg	30	< 4,3	OK
Diethylene glycol (CAS nº 111-46-4)	UNE-EN 13130-7				

According to the results, the product above mentioned complies the global and specific migration limits of the indicated substances stated in Regulation 10/2011, for contact with all kind of foodstuffs, for any long term storage of repeated use (including heating up to 70 °C for up to 2 h, or heating up to 100 °C for up to 15 min) at room temperature or below.

In cases where the conditions of use are beyond our control, we do not assume any responsibility for any use of the above materials. Therefore, customers take all responsibility and shall not disclaim any liabilities. The customer must ascertain whether the use of our products is safe and lawful in their intended applications. We do not guarantee that the status of the above products will remain unchanged if there exists the possibility of a change in law or regulation that is beyond our control.

Yours faithfully,



Elisabet Suñer
 R+D+i Department