

# Certificate

Certified Passive House Classic



Authorised  
by:



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## Oficinas Nidec Arisa Las Balsas 4, 26370 Navarrete, España



Client	Nidec - Arisa S.L. c/ Las Balsas 4 26370 Navarrete, España
Architect	JAD Arquitectos D.A.S. - Jesús Ángel Duque Chasco Ortega y Gasset 14 Bajo 2B 26007 Logroño, España
Building Services	JAD Arquitectos D.A.S. Ortega y Gasset 14 Bajo 2B 26007 Logroño, España
Energy Consultant	Jesús Ángel Duque Chasco Ortega y Gasset 14 Bajo 2B 26007 Logroño, España

Passive House buildings offer excellent thermal comfort and very good air quality all year round. Due to their high energy efficiency, energy costs as well as greenhouse gas emissions are extremely low.

The design of the above-mentioned building meets the criteria defined by the Passive House Institute for the 'Passive House Classic' standard:

Building quality		This building	Criteria	Alternative criteria
<b>Heating</b>	Heating demand [kWh/(m <sup>2</sup> a)]	12	≤ 15	-
	Heating load [W/m <sup>2</sup> ]	11	≤ -	10
<b>Cooling</b>	Cooling + dehumidification demand [kWh/(m <sup>2</sup> a)]	10	≤ 15	15
	Cooling load [W/m <sup>2</sup> ]	10	≤ -	11
	Frequency of excessively high humidity [%]	5	≤ 10	-
<b>Airtightness</b>	Pressurization test result (n <sub>50</sub> ) [1/h]	0,6	≤ 0,6	-
<b>Renewable primary energy (PER)</b>	PER-demand [kWh/(m <sup>2</sup> a)]	47	≤ 60	60
	Generation (reference to ground area) [kWh/(m <sup>2</sup> a)]	0	≥ -	-

The associated certification booklet contains more characteristic values for this building.

**Bilbao 23 de Marzo de 2021**

Certifier: Esteban Pardo Calderón, IGLU ENERGY SAVING SLP