

**PROTEKU UNI-DIRECTIONAL  
CELL DUAL RELEASE  
GRAPE GUARD**

**33 x 52 cm - 7 gr.**

**TECHNICAL SHEET**

**PROTEKU EUROPA S.L.**  
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**TRADE MARK PROTEKU**

**DESCRIPTION**

This Dual Release Grape Guard is formed by one sheet of Polypropylene (PP), a second sheet with complex Polyethylene/paper and a third is white kraft sheet. The grape guard is made with cells, each containing the active ingredient of Sodium Metabisulfite ( $\text{Na}_2\text{S}_2\text{O}_5$ ), which will react to humidity to create  $\text{SO}_2$  (Sulfur Dioxide). The  $\text{SO}_2$  prevents the development and inhibition of Botrytis cinerea Pers. in grapes, during cold storage and transportation.

**TECHNICAL SPECS & ERROR MARGIN**

Length	52 Cm	± 0,5 Cm
Width	33 Cm	± 0,5 Cm
Cells	40	
Area	1716 cm <sup>2</sup>	
Sodium metabisulfite content in slow release	5,7 gr	± 0,4 gr
Sodium metabisulfite content in fast release	1,3 gr	± 0,1 gr
Sodium metabisulfite total (both ways)	7,0 gr	± 0,4 gr
Weight	26,7 gr	± 0,4gr
Weight per box	6,7	± 0,5 kg

Note: Different dosages can be provided as required.

**PACKAGING**

Units per box	250
Boxes per pallet	104
Units per pallet	26.000

**CLIENT CODE**

**PALLETIZING**

Length	148 cm
Width	109 cm
Height	245 cm
Quantity	104
Net weight per pallet	± 696 kg
Gross weight per pallet	± 791 kg

**BOX SIZE**

Dimensions	540x365x170
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**CONTAINER**

Camion	18 Pallets
Container de 40' High Cube	16 pallets
Container de 20'	8 pallets

**RAW MATERIALS & ORIGIN**

Tyler size	+20	+30	+48	+65	+100	-100
Fast release	0,27	0,58	1,33	5,85	10,9	81,07
Slow release	7,8	35,7	22,2	17,80	8,90	7,6 (*)

(\*) : Values given for Esseco ( Italy )

MATERIAL TYPE	WEIGHT gr	ORIGIN	GRAMMAGE gr	DIMENSIONS cm	PRINTING
Polypropylene sheet (PP)	4,8	Spain	30	33x52	YES
Polyethylene complex paper	8,9	Spain	12/30/12	33x52	NO
White kraft paper	6,0	Italy	35	33x52	NO
Color print	Green	Spain			

**PROTEKU INTERNAL CODE** 133529DR

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