



Certificate

MPS-ECAS awards this certificate in accordance with the certification standard MPS-ABC version 16.1, to:

**Gartneriet Rønbæk A/S
Rønbækvej 23
8382 HINNERUP
Denmark
MPS-number: 805277**

Applicable to environmental clusters:
POT PLANTS 5

Validity: **29-1-2024 valid up to and including 19-5-2024**
Total points: **89,8**
Qualification: **A**

Kind regards,
MPS-ECAS

Signature:

Date of issue:
22-1-2024

Drs. R. Landsmeer, Manager Operations

N.B.: This certificate is only valid for the period specified above.

P.O. Box 114
2678 ZJ De Lier
The Netherlands

QUALIFICATION AND PERIOD GRAPHS

MPS company number: **805277/01**
 Company name: Gartneriet Rønbæk A/S (total)

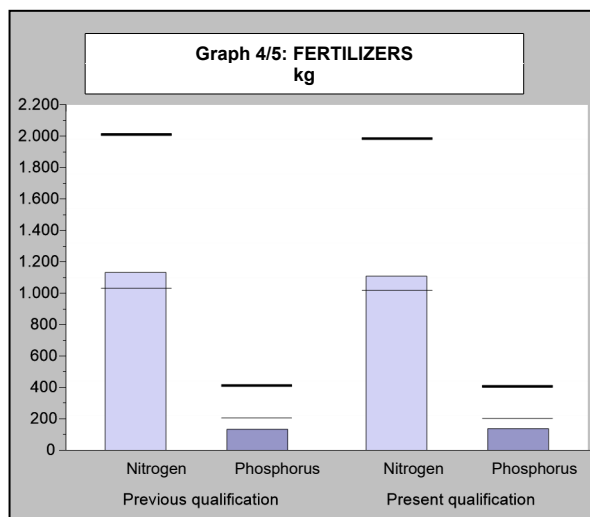
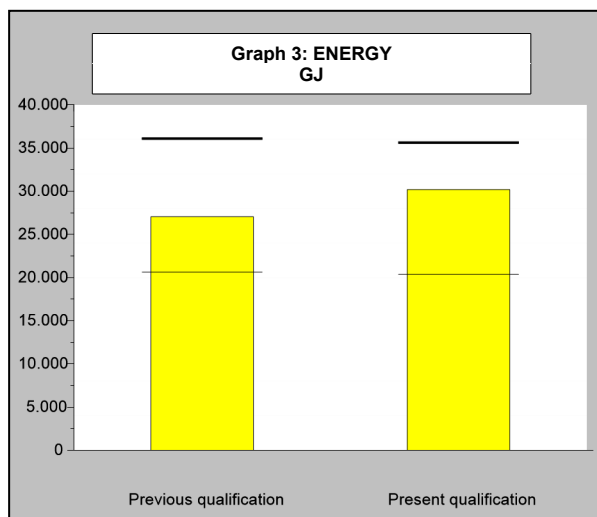
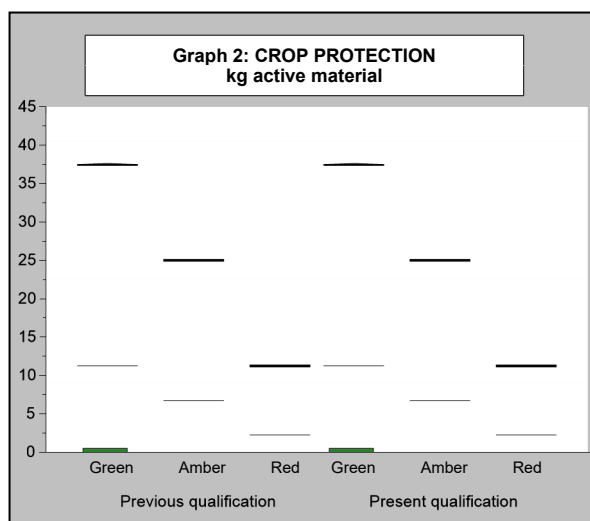
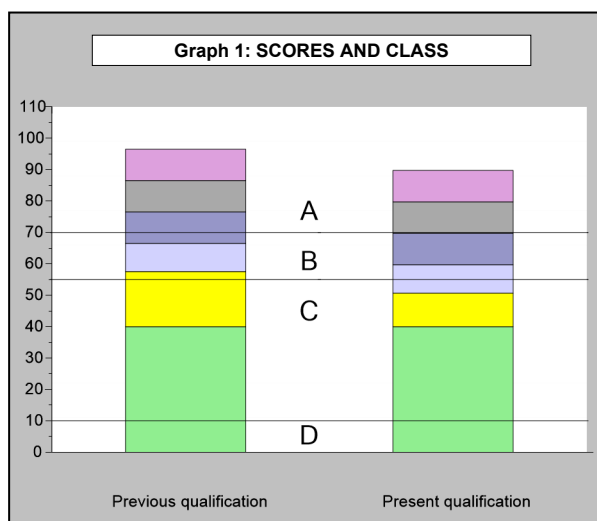
Valid: Period 1-2023 until Period 13-2023
 Version: 22-1-2024

Table 1: DATA QUALIFICATIONS

SUBJECT		Your Company standard	Your use	Your points	max. points	A+ standard	A+ score	Obtained
		Lower- Upper limit						
Crop protection	Green	11,3-37,5 kg	0,5	12	12			
	Amber	6,8-25 kg	0	16	16			
	Red	2,3-11,3 kg	0	12	12			
total				40	40	85 %	100 %	yes
Energy total		20361,1-35631,9 GJ	30187,4	10,7	30	75 %	35,6 %	no
Fertilizers	Nitrogen	1018,1-1985,2 kg	1108,6	9,1	10			
	Phosphorus	203,6-407,2 kg	137,9	10	10			
total				19,1	20	75 %	95,3 %	yes
Waste		0-130	130	10	10			
Water								
Certified parental material				10	10			
Total score (points)				89,8	110	90	89,8	no
COMPANY QUALIFICATION				A				

COMPANY USAGE PER 13 PERIODS

<-----> = Upper limit <.....> = Lower limit

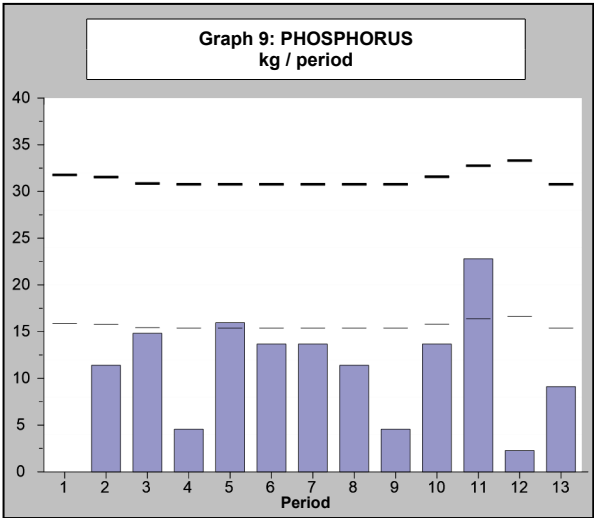
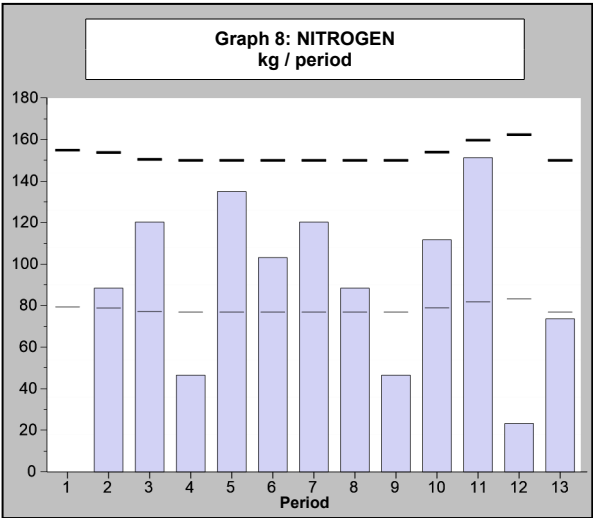
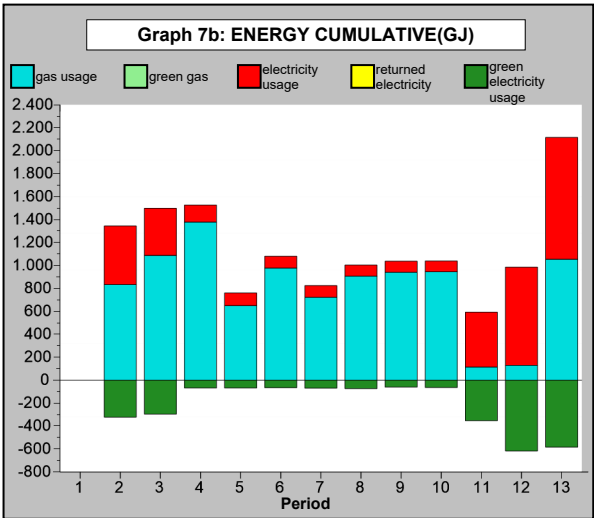
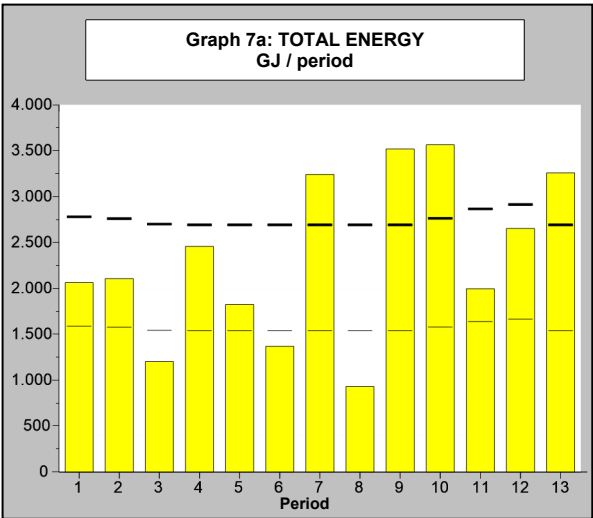
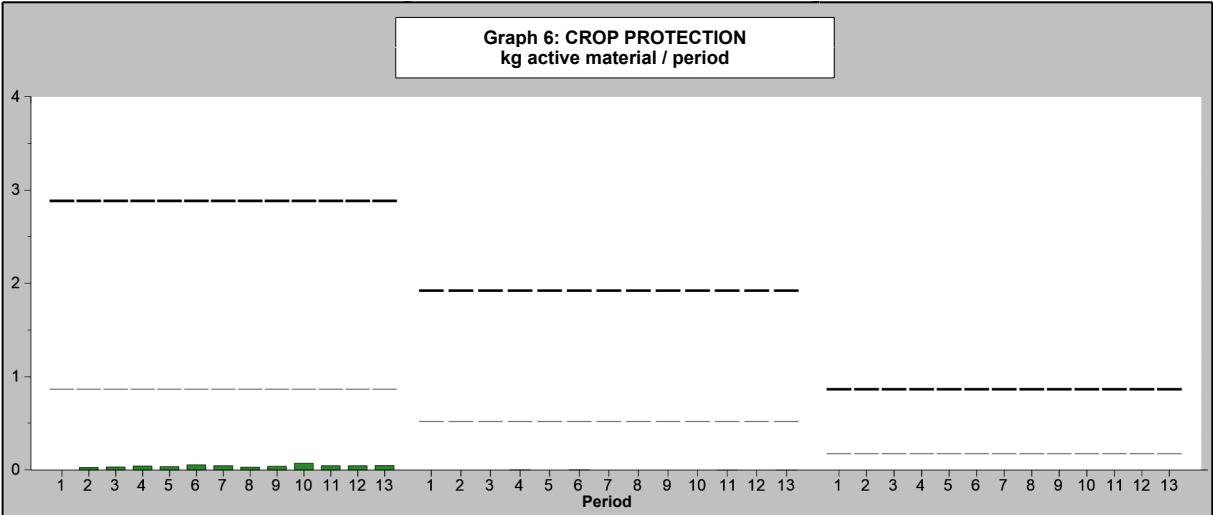


QUALIFICATION AND PERIOD GRAPHS

MPS company number: 805277/01
Company name: Gartneriet Rønbæk A/S (total)

Valid: Period 1-2023 until Period 13-2023
Version: 22-1-2024

<-----> = Upperlimit <-----> = Lowerlimit



MPS-Overview Composition of Qualification

MPS company number: **805277/01**
 Company name: Gartneriet Rønbæk A/S (total)

Valid: Period 1-2023 until Period 13-2023
 Version: 22-1-2024

Composition of company standards MPS-OEX (Area Efficiency index)

THEMA		Basic standard	% OEX	Company standard	Company-usage
		lower- upper-limit limit		lower- upper-limit limit	
Crop protection	Green			11,3-37,5 kg	0,5 kg
	Amber			6,8-25 kg	0 kg
	Red			2,3-11,3 kg	0 kg
Energy		20000-35000 GJ	1,8 %	20361,1-35631,9 GJ	30187,4 GJ
Nitrogen (N)		1000-1950 kg	1,8 %	1018,1-1985,2 kg	1108,6 kg
Phosphorus (P)		200-400 kg	1,8 %	203,6-407,2 kg	137,9 kg

Composition of points MPS environmentally certified parental material

Certified parental material	(Average) area	Your Points	Max points
Total cultivated area 1)	20000 m2		
Area certified parental material MPS-ABC	20000 m2	10	10
Area certified parental material GLOBALGAP	0 m2	0	5
Total points for Certified parental material		10	10

1) Total means: the total area covered and uncovered cultivation and the second crop layer. Not included is the uncultivated area.

Overview Environmental zones

Period	1	2	3	4	5	6	7	8	9	10	11	12	13
Environmental	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3

Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company use of active substance		
			Green	Amber	Red
Configure	●	6-benzylaminopurine	0,517		
Pirouette	●	paclobutrazol		0,005	
Annual company use of active substance			0,517	0,005	0

OVERVIEW RECORDED DATA

MPS company number: **805277/01**
 Company name: Gartneriet Rønbæk A/S (total)

Valid: Period 1-2023 until Period 13-2023
 Version: 22-1-2024

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
FORM RECEIVED			yes	yes	yes	yes	yes	yes		
CROP PROTECTION AGENTS										
3787	Configure	ml	1550	1900	3550	2300	2250	2400	13950	25850
3271	Pirouette	ml				240		240	480	1280
WATER										
21	Total irrigation	m3	941	897	858	823	793	703	5015	9865
ENERGY										
1	Gas consumption	m3	25864	26824	26931	3259	3677	30048	116603	277570
2	Conversion factor		1	1	1	1	1	1		
3	Caloric value		1	1	1	1	1	1		
4	Electricity from the grid (Total)	kWh	17480	17395	17083	86925	155806	193017	487706	739503
6	Green electricity from the grid	kWh	13285	10959	11616	64324	112180	106159	318523	479992
66	Coal	kg								108480
7	Residual heat usage	GJ		2922	2976	2020	2626	1985	12529	18243
LIGHTING										
550013	HP-Na 600W 400V Conv.	Hour			1	1	1			
		Number								
		kWatt			66821	135314	172768			
FERTILIZERS										
545	Calcium nitrate (nitrate o	kg	110	110	165	55	55	110	605	1595
375	Ferrous chelate DTPA 6%	litres	6,5	6,5	10,25	3,25	3,25	6,5	36,25	94,75
561	Ferrous chelate EDDHA 6%	kg	6,5	6,5	10,25	3,25	3,25	6,5	36,25	94,75
935	Kalisalpeter 13+0+38 Multi-K GG	kg	118	66	151	236	33	85	689	1510
572	Magnesium Nitrate 11+0+0	kg	65	20	75	130	10	55	355	750
516	Magnesium sulphate	kg	67	54	94	134	27	40	416	940
575	Manganese sulphate	kg	1,15	0,6	1,45	2,3	0,3	0,85	6,65	14,5
579	Molybdenum	kg	0,1	0,04	0,12	0,2	0,02	0,08	0,56	1,2
581	Mono-potassium phosphate	kg	50	20	60	100	10	40	280	605
677	Solubor 20.5%	kg	0,735	0,47	0,97	1,47	0,235	0,5	4,38	9,7
603	Urea 46%N	kg	105	40	125	210	20	85	585	1250
604	Zinc sulphate	kg	0,155	0,06	0,185	0,31	0,03	0,125	0,865	1,85

OVERVIEW RECORDED DATA (Continued)

MPS company number: 805277/01
Company name: Gartneriet Rønbæk A/S (total)

Valid: Period 1-2023 until Period 13-2023
Version: 22-1-2024

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
------	-------------	------	-------------	-------------	--------------	--------------	--------------	--------------	----------	------------

ENVIRONMENTAL CLUSTERS

Indoor crops										
4065	POT PLANTS 5	m2	20000	20000	20000	20000	20000	20000		
Subtotal			20000	20000	20000	20000	20000	20000		
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	20000	20000	20000	20000	20000	20000		

GENERAL INFORMATION FORM

MPS-Mind

Surface water										
3900	What is the minimum distance of this location to the nearest surface water?								250 - 2500 metres / 820 - 8200 feet	
Cover										
3910	Does the surface of protected cultivation exceed 95% of this location?								Yes	
Slope										
3902	What is the maximum slope of a plot on this location?								flat	
Leaching to groundwater										
3903	Do you grow more than 95% of your crops in a closed (recirculation) system, with less than 3% loss of drainwater?								No	
3904	What is the minimum depth of the groundwater on all your plot(s)?								>= 15 metres / >= 49,2 feet	
3905	What is the lowest percentage of organic material of your soil on all your plots of this location?								1,5 - 3%	

MPS-OEX

Sidescreens:										
3950	Are sidescreens being used during lighting in the night?								Yes	
Topscreens:										
3951	Are topscreens being used during lighting in the night?								Yes	
3952	If yes, what is the percentage of light-reduction?								85 till 95%	
CO2										
3953	Do you apply CO2?								No	
Substrate										
3957	Do you cultivate cut flowers on substrate?								No	

OVERVIEW RECORDED DATA (Continued)

MPS company number: 805277/01
Company name: Gartneriet Rønbæk A/S (total)

Valid: Period 1-2023 until Period 13-2023
Version: 22-1-2024

GENERAL INFORMATION FORM

MPS-OEX

Diffuse light

3961	Do you have diffuse glass on your greenhouse?	No
3963	Do you have diffuse foil on your foil-greenhouse?	No
3965	Do you have diffuse screens on your greenhouse?	No
3967	Do you use a diffuse coating on your greenhouse?	No

Waste management

41	Do you process organic waste in a responsible way?	Yes
42	Do you process paper waste in a responsible way?	Yes
43	Do you process plastic waste in a responsible way?	Yes

OVERVIEW RECORDED DATA

MPS company number: **805277/01**
 Company name: Gartneriet Rønbæk A/S (total)

Valid: Period 1-2023 until Period 13-2023
 Version: 22-1-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
FORM RECEIVED			yes	yes	yes	yes	yes	yes	yes	
CROP PROTECTION AGENTS										
3787	Configure	ml		1350	1600	2100	1800	2750	2300	11900
3271	Pirouette	ml				400		400		800
WATER										
21	Total irrigation	m3		679	712	743	819	932	965	4850
ENERGY										
1	Gas consumption	m3		23744	30995	39263	18538	27830	20597	160967
2	Conversion factor			1	1	1	1	1	1	
3	Caloric value			1	1	1	1	1	1	
4	Electricity from the grid (Total)	kWh		92905	74584	27047	19922	18903	18436	251797
6	Green electricity from the grid	kWh		58530	53700	12442	12352	11909	12536	161469
66	Coal	kg	71100	37380						108480
7	Residual heat usage	GJ				1149	1301	406	2858	5714
LIGHTING										
550013	HP-Na 600W 400V Conv.	Hour	1	1	1					
		Number								
		kWatt	68423	52844	6324					
FERTILIZERS										
545	Calcium nitrate (nitrate o	kg		110	220	110	220	110	220	990
375	Ferrous chelate DTPA 6%	litres		6,5	13	6,5	13	6,5	13	58,5
561	Ferrous chelate EDDHA 6%	kg		6,5	13	6,5	13	6,5	13	58,5
935	Kalisalpeter 13+0+38 Multi-K GG	kg		118	151	66	184	151	151	821
572	Magnesium Nitrate 11+0+0	kg		65	75	20	85	75	75	395
516	Magnesium sulphate	kg		67	94	54	121	94	94	524
575	Manganese sulphate	kg		1,15	1,45	0,6	1,75	1,45	1,45	7,85
579	Molybdenum	kg		0,1	0,12	0,04	0,14	0,12	0,12	0,64
581	Mono-potassium phosphate	kg		50	65	20	70	60	60	325
677	Solubor 20.5%	kg		0,735	0,97	0,47	1,205	0,97	0,97	5,32
603	Urea 46%N	kg		105	125	40	145	125	125	665
604	Zinc sulphate	kg		0,155	0,185	0,06	0,215	0,185	0,185	0,985

OVERVIEW RECORDED DATA (Continued)

MPS company number: 805277/01
Company name: Gartneriet Rønbæk A/S (total)

Valid: Period 1-2023 until Period 13-2023
Version: 22-1-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
------	-------------	------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	----------

ENVIRONMENTAL CLUSTERS

Indoor crops								
4065 POT PLANTS 5	m2	20000	20000	20000	20000	20000	20000	20000
Subtotal		20000	20000	20000	20000	20000	20000	20000
Certified parental material								
661 MPS-ABC certif.parental mat. indoor	m2	20000	20000	20000	20000	20000	20000	20000