



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: **17-9-2024 valid up to and including 3-11-2024**
Total points: **92,7**
Qualification: **A**

Kind regards,
MPS-ECAS

Signature:

Date of issue:
17-9-2024

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)

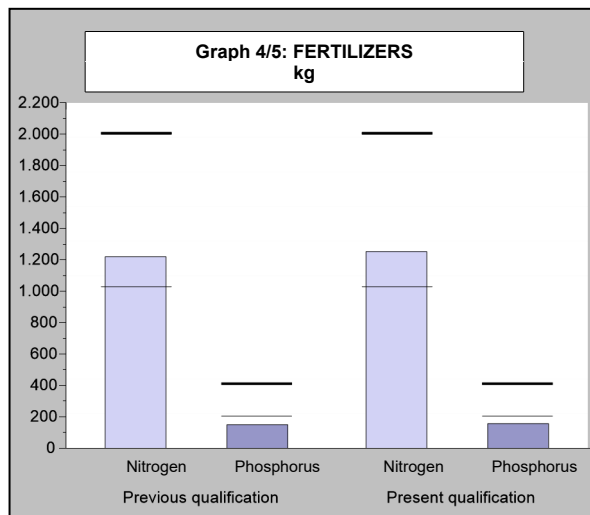
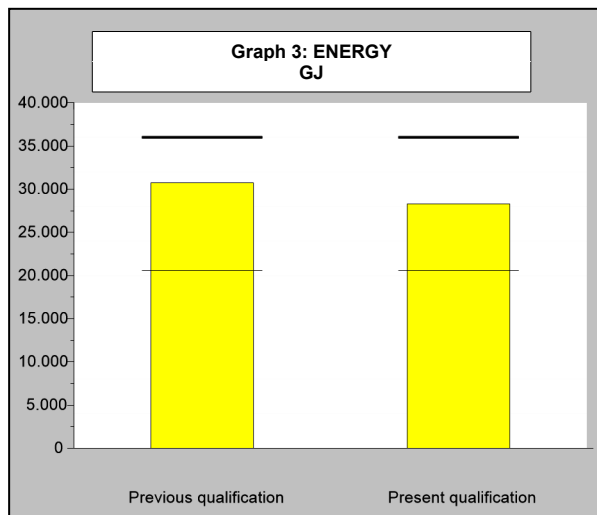
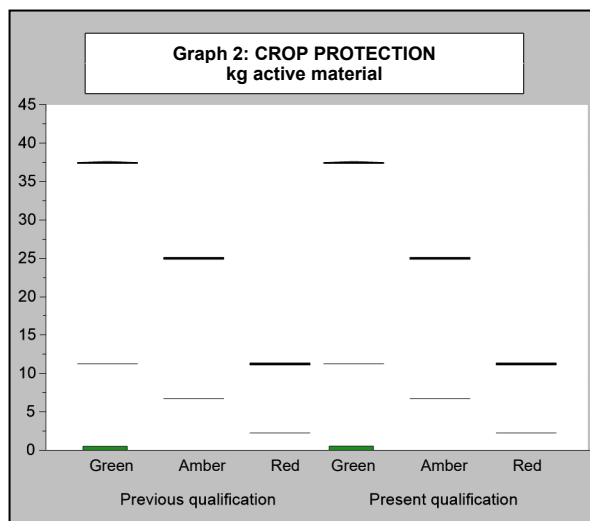
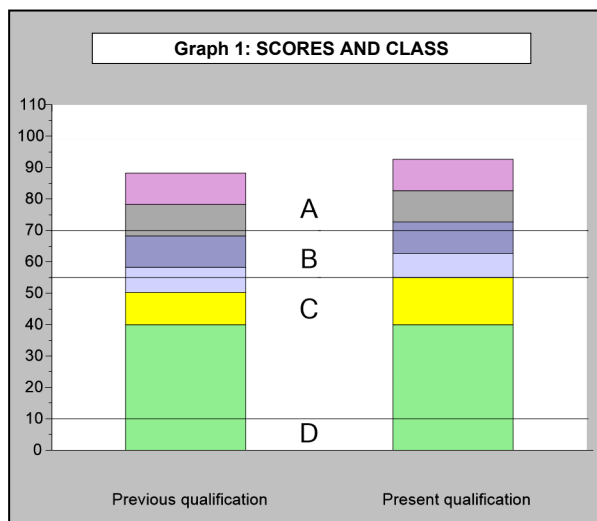
Valid: Period 8-2023 until Period 7-2024
Version: 17-9-2024

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		20575,8-36007,7 GJ	28302,7	15	30	75 %	49,9 %	no
Fertilizers	Nitrogen	1028,8-2006,1 kg	1252,6	7,7	10			
	Phosphorus	205,8-411,5 kg	157,3	10	10			
total				17,7	20	75 %	88,5 %	yes
Waste		0-130	130	10	10			
Water								
Certified parental material				10	10			
Total score (points)				92,7	110	90	92,7	yes
COMPANY QUALIFICATION				A				

COMPANY USAGE PER 13 PERIODS

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

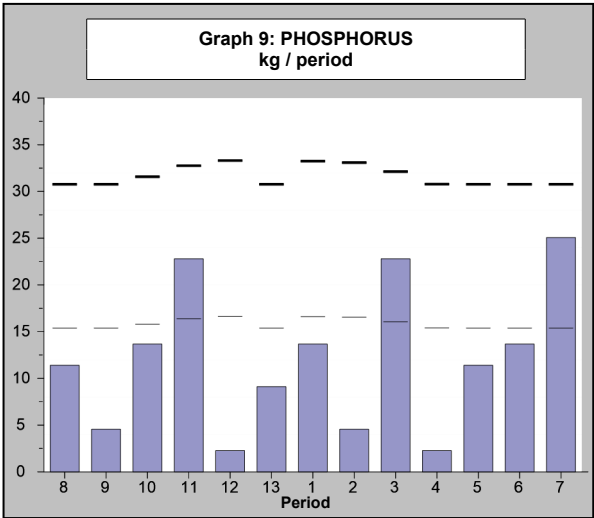
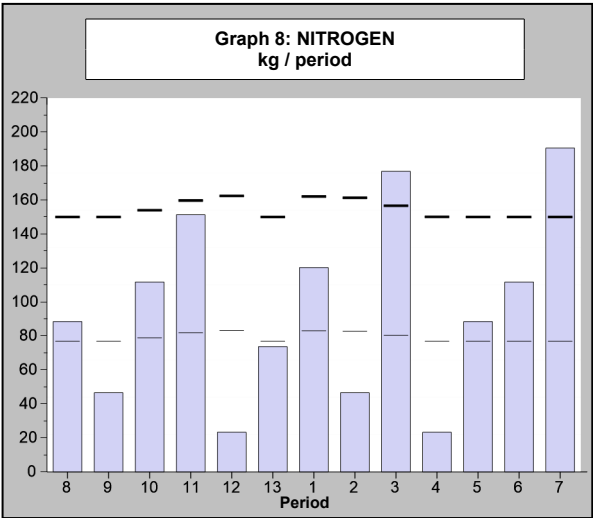
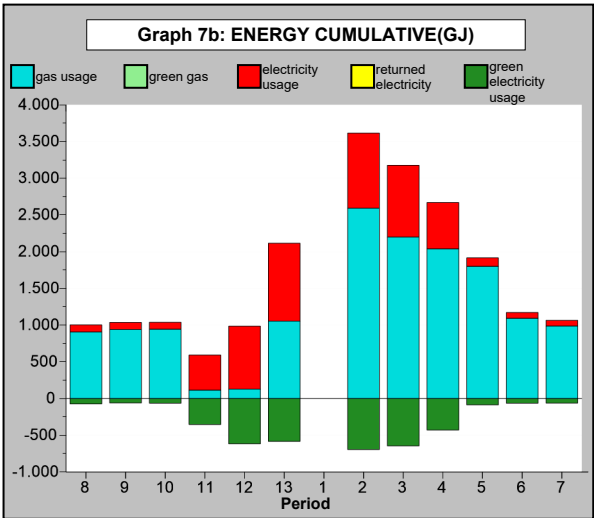
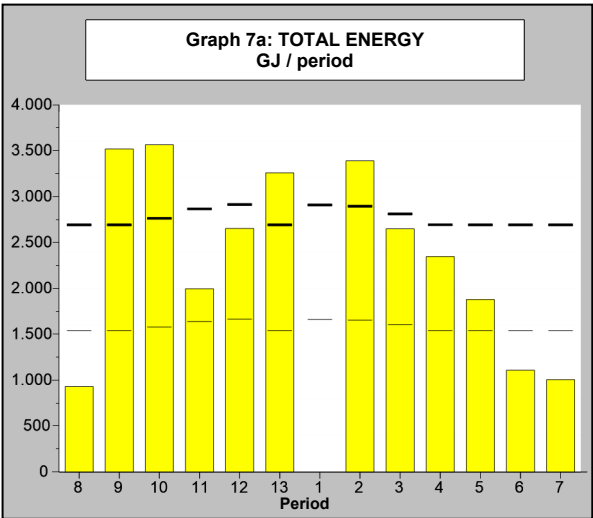
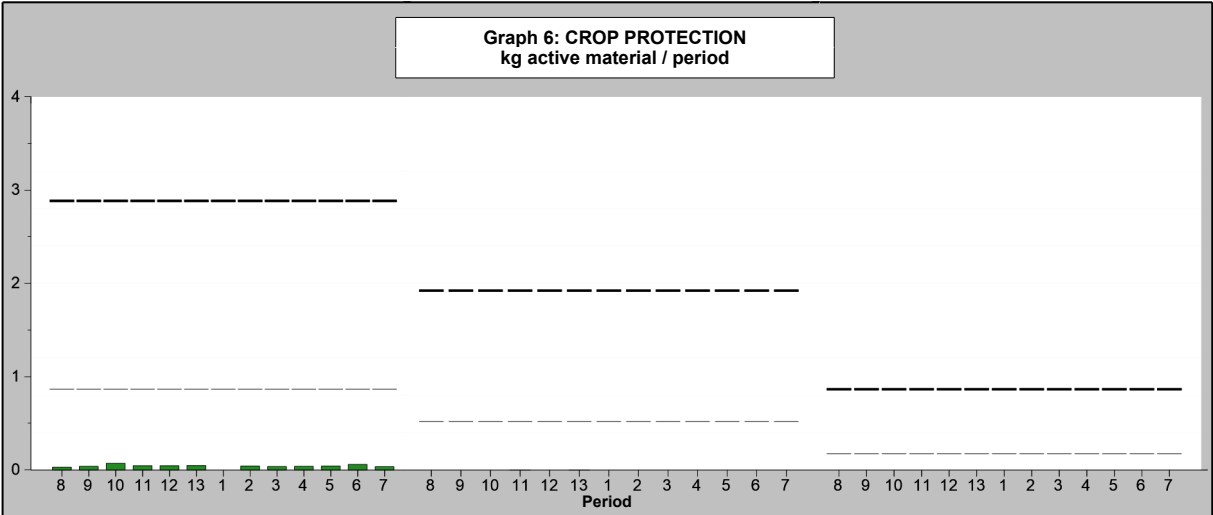


QUALIFICATION AND PERIOD GRAPHS

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

Valid: Period 8-2023 until Period 7-2024
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<-----> = Upperlimit <.....> = Lowerlimit



MPS-Overview Composition of Qualification

MPS company number: **805277/01**
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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	2,9 %	20575,8-36007,7 GJ	28302,7 GJ
Nitrogen (N)		1000-1950 kg	2,9 %	1028,8-2006,1 kg	1252,6 kg
Phosphorus (P)		200-400 kg	2,9 %	205,8-411,5 kg	157,3 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	8	9	10	11	12	13	1	2	3	4	5	6	7
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	0,535		
Pirouette	●	paclobutrazol		0,002	
Annual company use of active substance			0,535	0,002	0

OVERVIEW RECORDED DATA

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

Valid: Period 8-2023 until Period 7-2024
 Version: 17-9-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal	Year total
FORM RECEIVED			yes	yes	yes	yes	yes	yes	yes		
CROP PROTECTION AGENTS											
3787	Configure	ml		2100	1850	1950	2150	3000	1750	12800	26750
3271	Pirouette	ml									480
WATER											
21	Total irrigation	m3		711	785	766	845	974	965	5046	10061
ENERGY											
1	Gas consumption	m3		73883	62671	58102	51289	31161	28137	305243	421846
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		185959	177699	114867	21305	14430	14215	528475	1016181
6	Green electricity from the grid	kWh		126452	117281	78110	15766	11688	11088	360385	678908
7	Residual heat usage	GJ		540	135	121	55			851	13380
LIGHTING											
550013	HP-Na 600W 400V Conv.	Hour	1	1	1	1					
		Number									
		kWatt	168257	157695	93358	1125					
FERTILIZERS											
545	Calcium nitrate (nitrate o	kg	220	110	220	55	110	165	220	1100	1705
375	Ferrous chelate DTPA 6%	litres	13	6,5	13	3,25	4	7,5	13	60,25	96,5
561	Ferrous chelate EDDHA 6%	kg	13	6,5	13	3,25	9	9	13	66,75	103
935	Kalisalpeter 13+0+38 Multi-K GG	kg	151	66	236	33	118	151	269	1024	1713
572	Magnesium Nitrate 11+0+0	kg	75	20	130	10	65	75	130	505	860
516	Magnesium sulphate	kg	94	54	134	27	67	94	161	631	1047
575	Manganese sulphate	kg	1,45	0,6	2,3	0,3	1,15	1,45	2,6	9,85	16,5
579	Molybdenum (solid)	kg	0,12	0,04	0,2	0,02	0,1	0,12	0,21	0,81	1,37
581	Mono-potassium phosphate	kg	60	20	100	10	50	60	110	410	690
677	Solubor 20.5%	kg	0,97	0,47	1,47	0,235	0,735	0,97	1,705	6,555	10,935
603	Urea 46%N	kg	125	40	210	20	105	125	230	855	1440
604	Zinc sulphate (solid)	kg	0,185	0,06	0,31	0,03	0,155	0,185	0,34	1,265	2,13

OVERVIEW RECORDED DATA (Continued)

MPS company number: 805277/01
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Valid: Period 8-2023 until Period 7-2024
Version: 17-9-2024

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

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)

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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

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Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal
FORM RECEIVED			yes	yes	yes	yes	yes	yes	
CROP PROTECTION AGENTS									
3787	Configure	ml	1550	1900	3550	2300	2250	2400	13950
3271	Pirouette	ml				240		240	480
WATER									
21	Total irrigation	m3	941	897	858	823	793	703	5015
ENERGY									
1	Gas consumption	m3	25864	26824	26931	3259	3677	30048	116603
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
6	Green electricity from the grid	kWh	13285	10959	11616	64324	112180	106159	318523
7	Residual heat usage	GJ		2922	2976	2020	2626	1985	12529
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
375	Ferrous chelate DTPA 6%	litres	6,5	6,5	10,25	3,25	3,25	6,5	36,25
561	Ferrous chelate EDDHA 6%	kg	6,5	6,5	10,25	3,25	3,25	6,5	36,25
935	Kalisalpeter 13+0+38 Multi-K GG	kg	118	66	151	236	33	85	689
572	Magnesium Nitrate 11+0+0	kg	65	20	75	130	10	55	355
516	Magnesium sulphate	kg	67	54	94	134	27	40	416
575	Manganese sulphate	kg	1,15	0,6	1,45	2,3	0,3	0,85	6,65
579	Molybdenum (solid)	kg	0,1	0,04	0,12	0,2	0,02	0,08	0,56
581	Mono-potassium phosphate	kg	50	20	60	100	10	40	280
677	Solubor 20.5%	kg	0,735	0,47	0,97	1,47	0,235	0,5	4,38
603	Urea 46%N	kg	105	40	125	210	20	85	585
604	Zinc sulphate (solid)	kg	0,155	0,06	0,185	0,31	0,03	0,125	0,865

OVERVIEW RECORDED DATA (Continued)

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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