



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: **23-11-2024 valid up to and including 26-1-2025**
Total points: **101,1**
Qualification: **A+**

Kind regards,
MPS-ECAS

Signature:

Date of issue:
23-11-2024

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

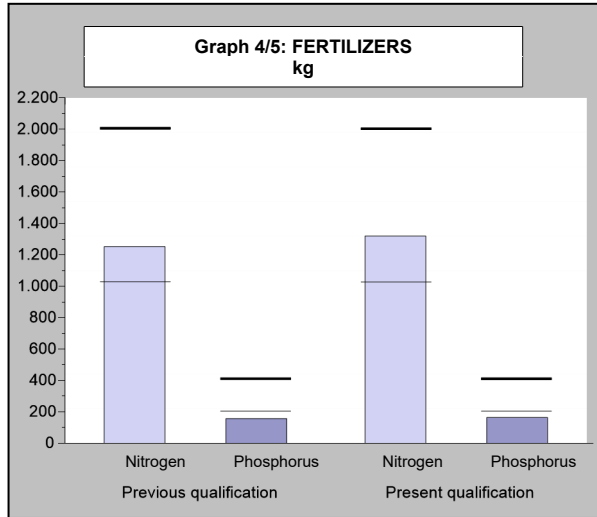
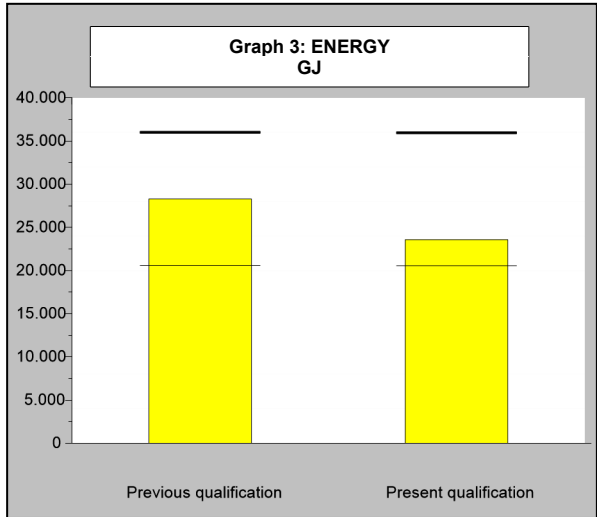
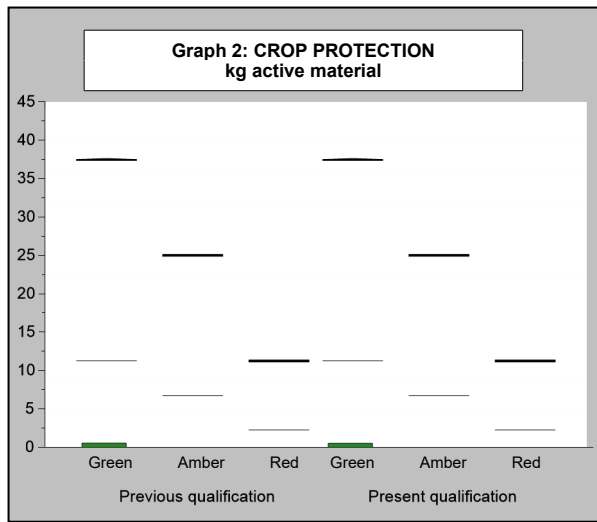
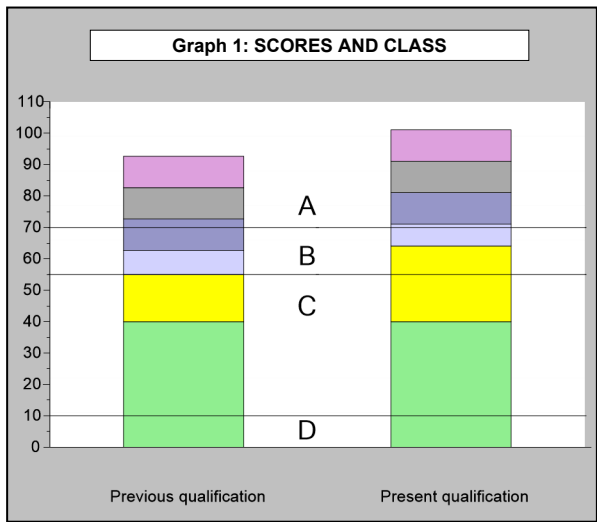
MPS company number: **805277/01**
 Company name: Gartneriet Rønbæk A/S (total)

Valid: Period 11-2023 until Period 10-2024
 Version: 23-11-2024

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		20547,5-35958,2 GJ	23585,9	24,1	30	75 %	80,2 %	yes
Fertilizers	Nitrogen	1027,4-2003,4 kg	1320	7	10			
	Phosphorus	205,5-411 kg	164,2	10	10			
total				17	20	75 %	85 %	yes
Waste		0-130	130	10	10			
Water								
Certified parental material				10	10			
Total score (points)				101,1	110	90	101,1	yes
COMPANY QUALIFICATION				A+				

COMPANY USAGE PER 13 PERIODS
 <-----> = Upper limit <.....> = Lower limit

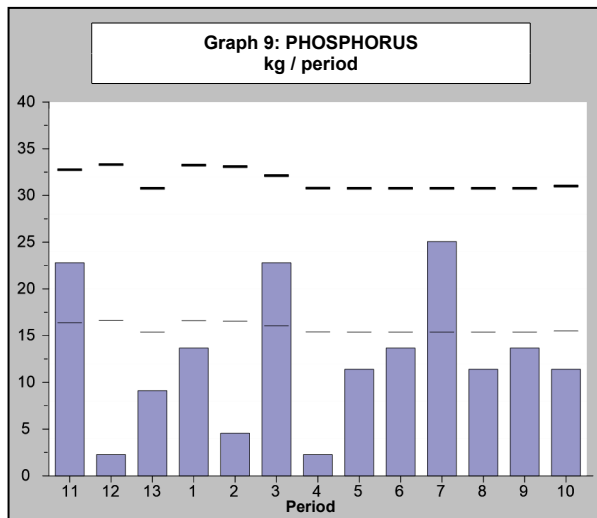
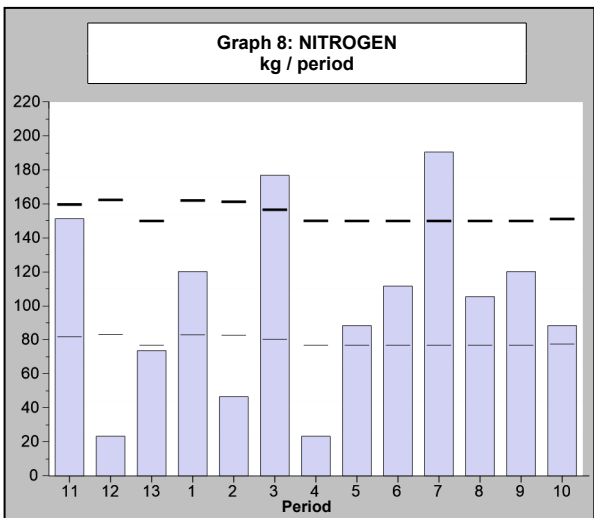
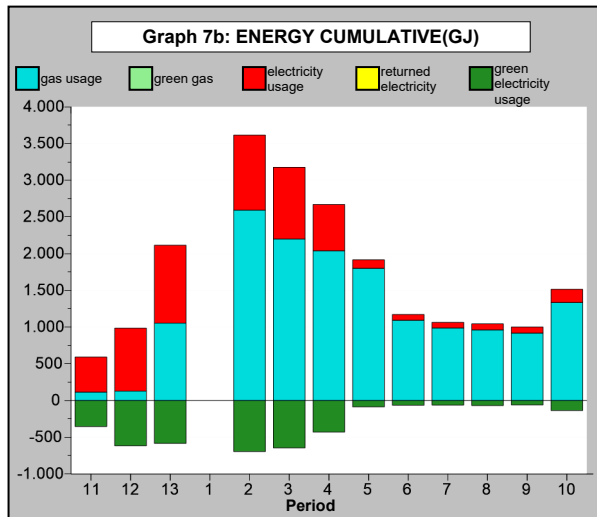
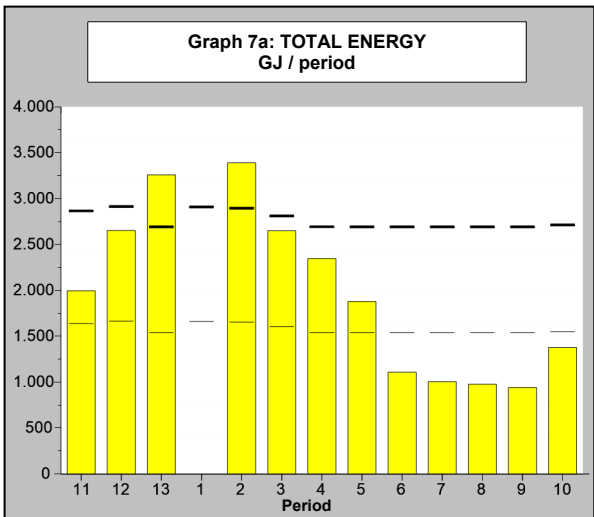
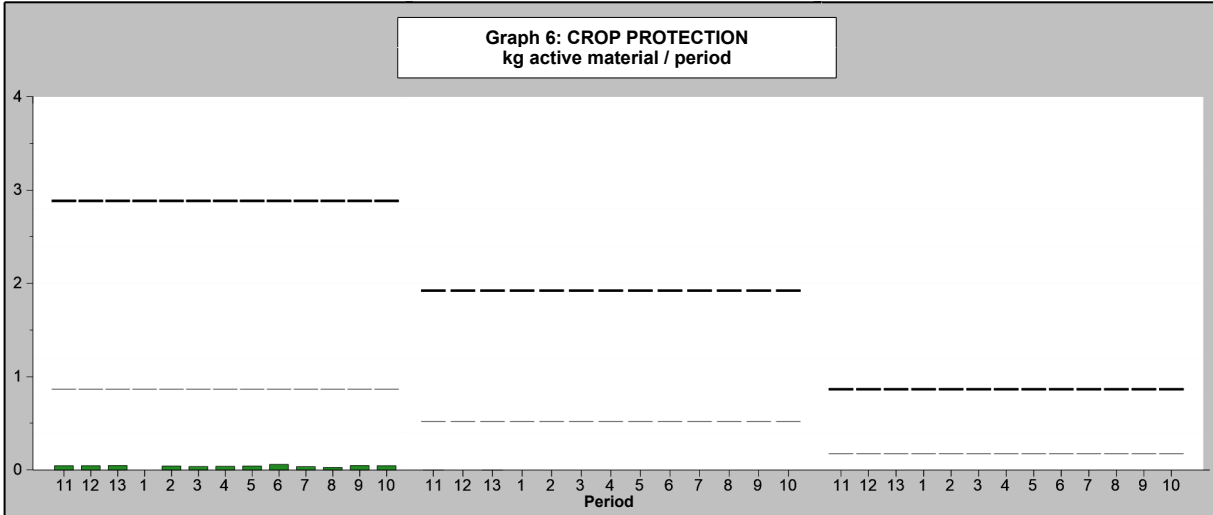


QUALIFICATION AND PERIOD GRAPHS

MPS company number: **805277/01**
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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	Companystandard	
		lower-limit	upper-limit		lower-limit	upper-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		2,7 %	20547,5-35958,2 GJ	23585,9 GJ
Nitrogen (N)		1000-1950 kg		2,7 %	1027,4-2003,4 kg	1320 kg
Phosphorus (P)		200-400 kg		2,7 %	205,5-411 kg	164,2 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	11	12	13	1	2	3	4	5	6	7	8	9	10
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	0,515		
Pirouette	●	paclobutrazol		0,002	
Annual company use of active substance			0,515	0,002	0

OVERVIEW RECORDED DATA

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

Valid: Period 11-2023 until Period 10-2024
 Version: 23-11-2024

Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal	Year total
FORM RECEIVED			yes	yes	yes	yes	yes	yes		
CROP PROTECTION AGENTS										
3787	Configure	ml	2150	3000	1750	1350	2350	2300	12900	25750
3271	Pirouette	ml								480
WATER										
21	Total irrigation	m3	845	974	965	1001	989	888	5662	10243
ENERGY										
1	Gas consumption	m3	51289	31161	28137	27416	26202	38045	202250	433890
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	21305	14430	14215	15003	14931	32685	112569	1026842
6	Green electricity from the grid	kWh	15766	11688	11088	12302	10900	24841	86585	691091
7	Residual heat usage	GJ	55						55	7482
LIGHTING										
550013	HP-Na 600W 400V Conv.	Hour Number						1		
		kWatt						16742		
FERTILIZERS										
545	Calcium nitrate (nitrate o	kg	110	165	220	220	220	110	1045	1870
375	Ferrous chelate DTPA 6%	litres	4	7,5	13	13	13	6,5	57	105,75
561	Ferrous chelate EDDHA 6%	kg	9	9	13	13	13	6,5	63,5	112,25
935	Kalisalpeter 13+0+38 Multi-K GG	kg	118	151	269	118	151	118	925	1765
572	Magnesium Nitrate 11+0+0	kg	65	75	130	65	75	65	475	905
516	Magnesium sulphate	kg	67	94	161	67	94	67	550	1060
575	Manganese sulphate	kg	1,15	1,45	2,6	1,15	1,45	1,15	8,95	17,05
579	Molybdenum (solid)	kg	0,1	0,12	0,21	0,1	0,12	0,1	0,75	1,43
581	Mono-potassium phosphate	kg	50	60	110	50	60	50	380	720
677	Solubor 20.5%	kg	0,735	0,97	1,705	0,735	0,97	0,735	5,85	11,2
603	Urea 46%N	kg	105	125	230	105	125	105	795	1505
604	Zinc sulphate (solid)	kg	0,155	0,185	0,34	0,155	0,185	0,155	1,175	2,225

OVERVIEW RECORDED DATA (Continued)

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Code	Description	Unit	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Subtotal	Year total
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ENVIRONMENTAL CLUSTERS

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

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

OVERVIEW RECORDED DATA

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Code	Description	Unit	Period 11	Period 12	Period 13	Period 1	Period 2	Period 3	Period 4	Subtotal
FORM RECEIVED			yes	yes	yes	yes	yes	yes	yes	
CROP PROTECTION AGENTS										
3787	Configure	ml	2300	2250	2400		2100	1850	1950	12850
3271	Pirouette	ml	240		240					480
WATER										
21	Total irrigation	m3	823	793	703		711	785	766	4581
ENERGY										
1	Gas consumption	m3	3259	3677	30048		73883	62671	58102	231640
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	86925	155806	193017		185959	177699	114867	914273
6	Green electricity from the grid	kWh	64324	112180	106159		126452	117281	78110	604506
7	Residual heat usage	GJ	2020	2626	1985		540	135	121	7427
LIGHTING										
550013	HP-Na 600W 400V Conv.	Hour Number	1	1		1	1	1	1	
		kWatt	135314	172768		168257	157695	93358	1125	
FERTILIZERS										
545	Calcium nitrate (nitrate o	kg	55	55	110	220	110	220	55	825
375	Ferrous chelate DTPA 6%	litres	3,25	3,25	6,5	13	6,5	13	3,25	48,75
561	Ferrous chelate EDDHA 6%	kg	3,25	3,25	6,5	13	6,5	13	3,25	48,75
935	Kalisalpeter 13+0+38 Multi-K GG	kg	236	33	85	151	66	236	33	840
572	Magnesium Nitrate 11+0+0	kg	130	10	55	75	20	130	10	430
516	Magnesium sulphate	kg	134	27	40	94	54	134	27	510
575	Manganese sulphate	kg	2,3	0,3	0,85	1,45	0,6	2,3	0,3	8,1
579	Molybdenum (solid)	kg	0,2	0,02	0,08	0,12	0,04	0,2	0,02	0,68
581	Mono-potassium phosphate	kg	100	10	40	60	20	100	10	340
677	Solubor 20.5%	kg	1,47	0,235	0,5	0,97	0,47	1,47	0,235	5,35
603	Urea 46%N	kg	210	20	85	125	40	210	20	710
604	Zinc sulphate (solid)	kg	0,31	0,03	0,125	0,185	0,06	0,31	0,03	1,05

OVERVIEW RECORDED DATA (Continued)

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Code	Description	Unit	Period 11	Period 12	Period 13	Period 1	Period 2	Period 3	Period 4	Subtotal
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ENVIRONMENTAL CLUSTERS

	Indoor crops									
4065	POT PLANTS	5 m2	20000	20000	20000	20000	20000	20000	20000	20000
	Subtotal		20000	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	20000