

PROCESS: DRYING OF STEAMED SEMOLINA IN
 CONVEYORISED MICROWAVE
 #Temperature profile before drying

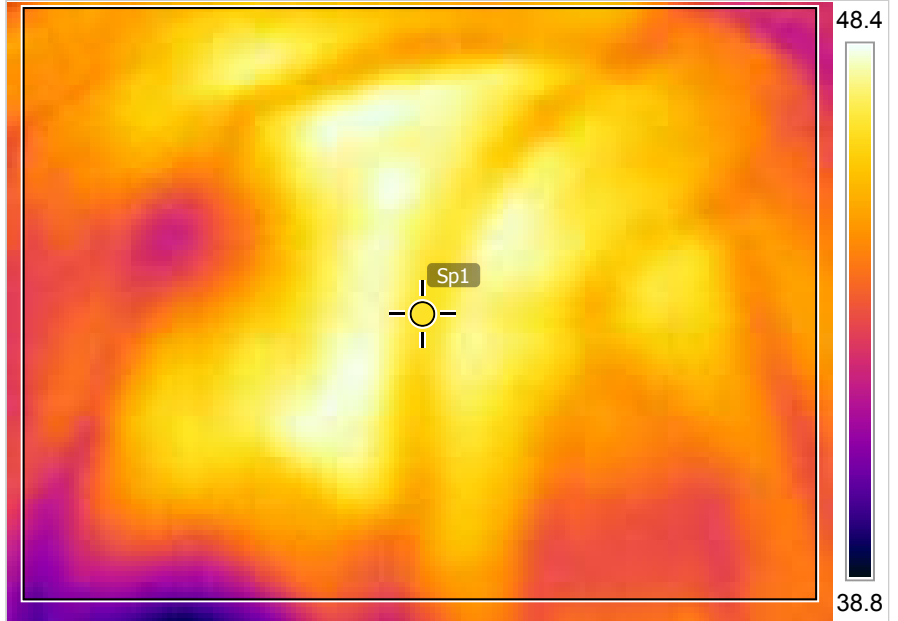
Measurements °C

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Ar1	Max	48.4
	Min	40.5
	Average	45.5
Sp1		46.9

Parameters

Emissivity	0.95
Ref. temp.	20 °C
Distance	2 m
Relative humidity	50 %
Atm. temp.	33 °C
IR window temp.	20 °C
IR window transmission	1



IR_0154.jpg

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DC_0155.jpg

PROCESS: DRYING OF STEAMED SEMOLINA IN
 CONVEYORISED MICROWAVE FOR 11 MINUTES
 #Temperature profile after drying in 1 pass

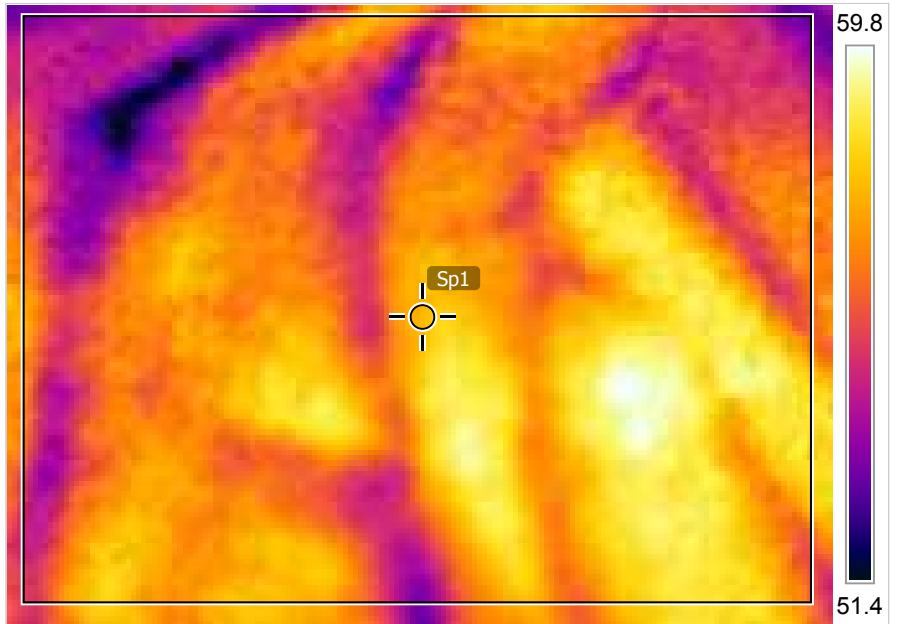
Measurements °C

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Ar1	Max	60.0
	Min	51.2
	Average	56.5
Sp1		57.4

Parameters

Emissivity	0.95
Ref. temp.	20 °C
Distance	2 m
Relative humidity	50 %
Atm. temp.	33 °C
IR window temp.	20 °C
IR window transmission	1



IR_0158.jpg

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DC_0159.jpg

PROCESS: DRYING OF STEAMED SEMOLINA IN
 CONVEYORISED MICROWAVE FOR 22 MINUTES
 #Temperature profile after drying in 2 passes

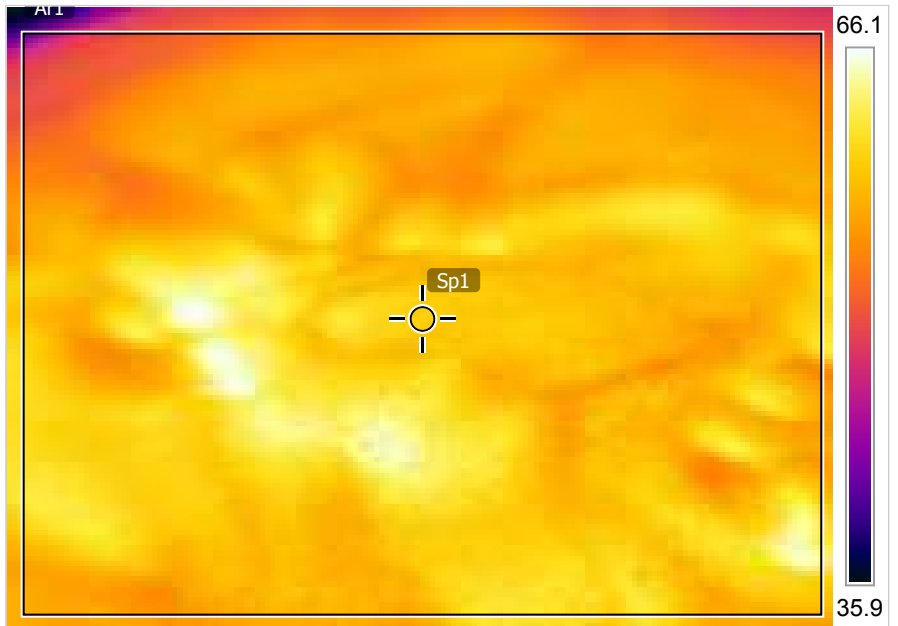
Measurements °C

Ar1	Max	66.5
	Min	41.7
	Average	58.4
Sp1		60.3

Parameters

Emissivity	0.95
Ref. temp.	20 °C
Distance	2 m
Relative humidity	50 %
Atm. temp.	33 °C
IR window temp.	20 °C
IR window transmission	1

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DC_0163.jpg

PROCESS: DRYING OF STEAMED SEMOLINA IN
 CONVEYORISED MICROWAVE FOR 33 MINUTES
 #Temperature profile after drying in 3 passes

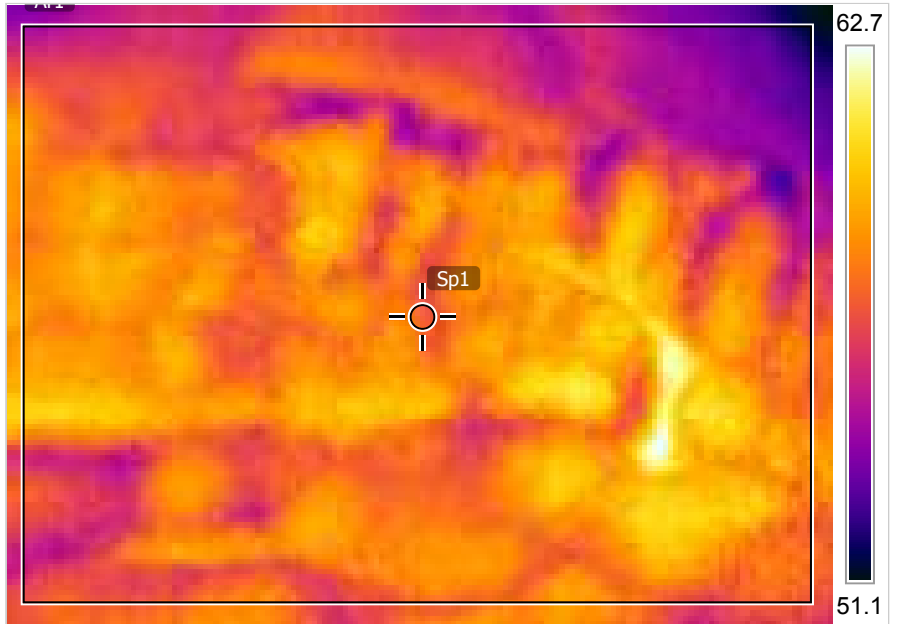
Measurements °C

Ar1	Max	63.7
	Min	51.6
	Average	57.7
Sp1		57.5

Parameters

Emissivity	0.95
Ref. temp.	20 °C
Distance	2 m
Relative humidity	50 %
Atm. temp.	33 °C
IR window temp.	20 °C
IR window transmission	1

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DC_0171.jpg

PROCESS: DRYING OF STEAMED SEMOLINA IN
 CONVEYORISED MICROWAVE FOR 44 MINUTES
 #Temperature profile after drying in 4 passes

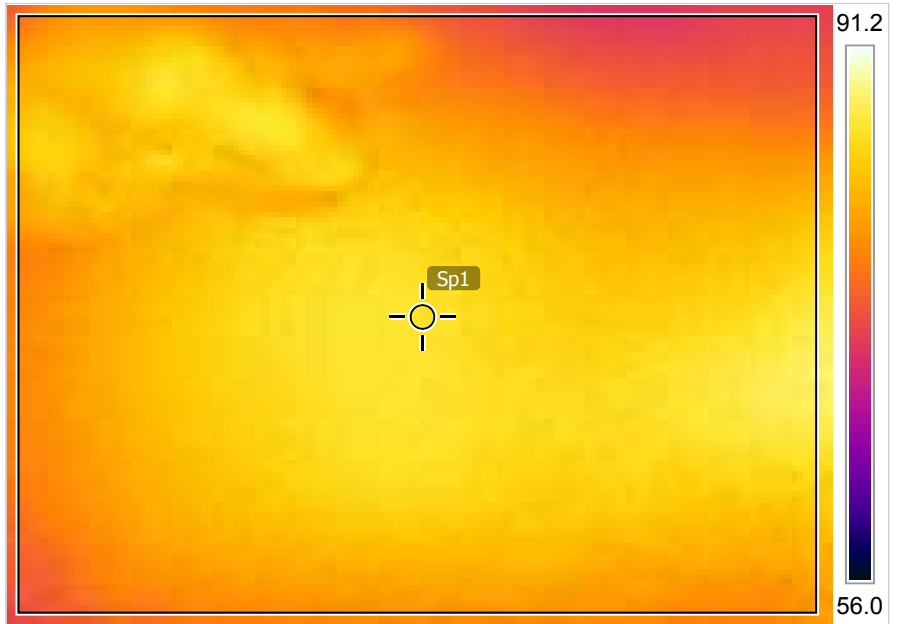
Measurements °C

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Ar1	Max	88.2
	Min	71.4
	Average	81.7
Sp1		85.8

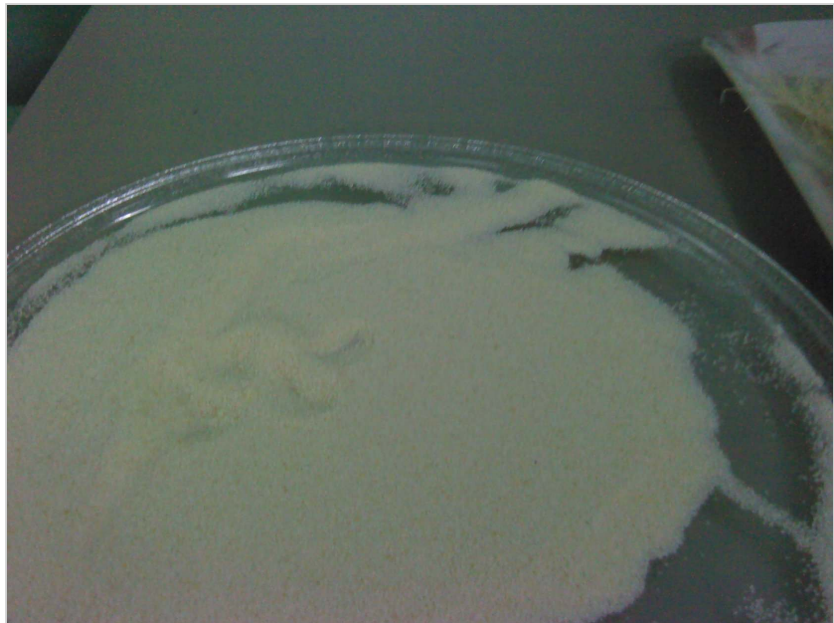
Parameters

Emissivity	0.95
Ref. temp.	20 °C
Distance	2 m
Relative humidity	50 %
Atm. temp.	33 °C
IR window temp.	20 °C
IR window transmission	1



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DC_0181.jpg