

# Putler

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- Gravity **19.1 BLG**
- ABV **8.3 %**
- IBU **58**
- SRM **48.6**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19 liter(s)**

## Mash information

- Mash efficiency **88 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **14.9 liter(s)**
- Total mash volume **20.8 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4.8 kg (80.7%)	80 %	5
Grain	Carafa	0.93 kg (15.6%)	1 %	900
Grain	Caramunich® typ I	0.22 kg (3.7%)	73 %	80

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	50 g	60 min	10.2 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	200 ml	---