

# Rye stout

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- Gravity **15 BLG**
- ABV ---
- IBU **32**
- SRM **35.2**
- Style **Dry Stout**

## Batch size

- Expected quantity of finished beer **28 liter(s)**
- Trub loss **5 %**
- Size with trub loss **29.4 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **36 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **23 liter(s)**
- Total mash volume **30.6 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Simpsons - Maris Otter	4 kg (52.3%)	81 %	6
Grain	Żytni	2.5 kg (32.7%)	85 %	8
Grain	Caraaroma	0.2 kg (2.6%)	78 %	400
Grain	Barley, Flaked	0.5 kg (6.5%)	70 %	4
Grain	Carafa III	0.25 kg (3.3%)	70 %	1034
Grain	Jęczmień palony	0.2 kg (2.6%)	55 %	985

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Fuggles	90 g	60 min	4.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11 g	Safale