

# alfa

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- Gravity **24.4 BLG**
- ABV ---
- IBU **39**
- SRM **34**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **23.8 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.6 liter(s)**
- Total mash volume **28.8 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Pale Ale Malt	3.8 kg (46.9%)	80 %	6
Grain	Briess - Vienna Malt	2.2 kg (27.2%)	77.5 %	7
Grain	Caramel 145 ebc	0.4 kg (4.9%)	74 %	145
Grain	Special B Malt	0.25 kg (3.1%)	65.2 %	315
Grain	Carafa	0.3 kg (3.7%)	70 %	664
Grain	karmelowy ciemny strzegom	0.1 kg (1.2%)	78 %	400
Grain	Black Barley (Roast Barley)	0.15 kg (1.9%)	55 %	985
Sugar	Candi Sugar, Clear	0.9 kg (11.1%)	78.3 %	2

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Brewers Gold	60 g	60 min	7.4 %
Boil	Fuggles	20 g	10 min	4 %