

SStaut

- Gravity **10.7 BLG**
- ABV **4.3 %**
- IBU **14**
- SRM **21.6**
- Style **Sweet Stout**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **32.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.3 liter(s)**
- Total mash volume **21.8 liter(s)**

Steps

- Temp **67 C**, Time **70 min**
- Temp **67 C**, Time **10 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **16.3 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **10 min** at **67C**
- Keep mash **70 min** at **67C**
- Keep mash **5 min** at **78C**
- Sparge using **21.4 liter(s)** of **76C** water or to achieve **32.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Pale Ale Malt	4.5 kg (82.6%)	80 %	7
Grain	Strzegom Karmel 150	0.5 kg (9.2%)	75 %	150
Grain	Briess - Chocolate Malt	0.35 kg (6.4%)	60 %	690
Grain	Jęczmień palony	0.1 kg (1.8%)	55 %	985

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Perle	22 g	60 min	7 %

Yeasts

Name	Type	Form	Amount	Laboratory
mj15	Ale	Dry	15 g	---