

Irish Stout

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **29**
- SRM **30.9**
- Style **Sweet Stout**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.1 liter(s)**
- Total mash volume **22.8 liter(s)**

Steps

- Temp **50 C**, Time **20 min**
- Temp **67 C**, Time **70 min**

Mash step by step

- Heat up **17.1 liter(s)** of strike water to **55C**
- Add grains
- Keep mash **20 min** at **50C**
- Keep mash **70 min** at **67C**
- Sparge using **13.9 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Pilsen Malt	4.5 kg (78.9%)	80.5 %	2
Grain	Jęczmień palony	0.6 kg (10.5%)	55 %	985
Grain	Jęczmień niesłodowany	0.6 kg (10.5%)	75 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Tradition	50 g	60 min	5.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Ale	Slant	300 ml	Fermentis