Guinness-Style Dry Stout

- Gravity 11.9 BLG
- ABV 4.8 %
- IBU **24**
- SRM 23.5
- Style Dry Stout

Batch size

- Expected quantity of finished beer 20 liter(s)
- Trub loss 5 %
- Size with trub loss 22 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 26.4 liter(s)

Mash information

- Mash efficiency 70 %
- Liquor-to-grist ratio 3.5 liter(s) / kg
- Mash size 12.6 liter(s)
- Total mash volume 16.2 liter(s)

Steps

- Temp **49 C**, Time **15 min** Temp **66 C**, Time **60 min**
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up 12.6 liter(s) of strike water to 53.1C
- · Add grains
- Keep mash 15 min at 49C
- Keep mash 60 min at 66C
- Keep mash 1 min at 76C
- Sparge using 17.4 liter(s) of 76C water or to achieve 26.4 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Maris Otter Crisp	3.6 kg <i>(72%)</i>	83 %	6
Adjunct	płatki jęczmienne	1 kg (20%)	60 %	4
Adjunct	Jęczmień palony	0.4 kg (8%)	55 %	985

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Fuggles	50 g	60 min	4.5 %
Boil	Whirflock	0.5 g	15 min	1 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Mangrove Jack's M42 New World Strong Ale	Ale	Dry	11.5 g	Mangrove Jack's