PiwoWarZone Best Bitter

- Gravity 11.2 BLG
- ABV 4.5 %
- IBU **30**
- SRM **9.3**
- Style Special/Best/Premium Bitter

Batch size

- Expected quantity of finished beer 20 liter(s)
- Trub loss 5 %
- Size with trub loss 21 liter(s)
- · Boil time 90 min
- Evaporation rate 10 %/h
- Boil size 26.4 liter(s)

Mash information

- Mash efficiency **75** %
- Liquor-to-grist ratio 2.5 liter(s) / kg
- Mash size 11 liter(s)
- Total mash volume 15.4 liter(s)

Steps

• Temp 66 C, Time 90 min

Mash step by step

- Heat up 11 liter(s) of strike water to 75.2C
- Add grains
- Keep mash 90 min at 66C
- Sparge using 19.8 liter(s) of 76C water or to achieve 26.4 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	maris otter pale ale	3.8 kg <i>(86.4%)</i>	81 %	5
Grain	Caramel/Crystal Malt - 120L	0.4 kg <i>(9.1%)</i>	72 %	200
Grain	Wheat, Flaked	0.2 kg <i>(4.5%)</i>	77 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	pilgrim	15 g	60 min	10.3 %
Aroma (end of boil)	pilgrim	10 g	15 min	10.3 %
Aroma (end of boil)	pilgrim	25 g	5 min	10.3 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Wyeast - London Ale III	Ale	Liquid	125 ml	Wyeast Labs

Extras

Туре	Name	Amount	Use for	Time
Water Agent	kwas mlekowy	4 g	Mash	
Water Agent	gips piwowarski	2 g	Mash	

No	tes	
•	kwas mlekowy w ml	
	kwas mlekowy w ml Jan 3, 2020, 5:07 PM	