#12 Rauchbock

- Gravity 16.6 BLG
- ABV ----
- IBU 29
- SRM 20.1
- Style Traditional Bock

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 18.3 liter(s)
- Total mash volume 24.4 liter(s)

Steps

- Temp 52 C, Time 15 min
 Temp 67 C, Time 10 min
- Temp **71** C, Time **50** min

Mash step by step

- Heat up 18.3 liter(s) of strike water to 57.3C
- Add grains
- Keep mash 15 min at 52C
- Keep mash 10 min at 67C
- Keep mash 50 min at 71C
- Sparge using 13.1 liter(s) of 76C water or to achieve 25.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	2 kg <i>(32.8%)</i>	81 %	4
Grain	Monachijski	2 kg <i>(32.8%)</i>	80 %	16
Grain	Casle Malting Whisky Nature	1 kg <i>(16.4%)</i>	85 %	4
Grain	Biscuit Malt	0.4 kg (6.6%)	79 %	45
Grain	Melanoiden Malt	0.3 kg <i>(4.9%)</i>	80 %	39
Grain	Strzegom Karmel 150	0.2 kg <i>(3.3%)</i>	75 %	150
Grain	Caraaroma	0.2 kg <i>(3.3%)</i>	70 %	400

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Sybilla	25 g	20 min	3.5 %
Aroma (end of boil)	Saaz (Czech Republic)	20 g	5 min	4.5 %
Boil	lunga	20 g	50 min	11 %

Yeasts

Name	Туре	Form	Amount	Laboratory
FM31 Bawarska Dolina	Lager	Liquid	30 ml	

Extras

Туре	Name	Amount	Use for	Time
Fining	mech	5 g	Boil	20 min