rauchbock

- Gravity **15.4 BLG**
- ABV **6.5 %**
- IBU **28**
- SRM **13.7**
- Style **Traditional Bock**

Batch size

- Expected quantity of finished beer **11.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.1 liter(s)**
- Boil time **90 min**
- Evaporation rate **5 %/h**
- Boil size **13.7 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9.6 liter(s)**
- Total mash volume **12.8 liter(s)**

Steps

- Temp **66 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **9.6 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **30 min** at **66C**
- Keep mash **30 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **7.3 liter(s)** of **76C** water or to achieve **13.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Słód Wędzony Wyermann	2 kg *(62.5%)*	80 %	5
Grain	Monachijski	1 kg *(31.3%)*	80 %	18
Grain	Caraaroma	0.2 kg *(6.3%)*	78 %	350

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	10 g	90 min	12.1 %
Boil	Lublin (Lubelski)	15 g	15 min	4 %

Yeasts

Name	Type	Form	Amount	Laboratory
Saflager W 34/70	Lager	Slant	200 ml	Fermentis

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.