

Rhytm Mate Dunkelweizen

- Gravity **11.9 BLG**
- ABV ---
- IBU **19**
- SRM **13**
- Style **Sweet Stout**

Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **1 %**
- Size with trub loss **24.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **1 %/h**
- Boil size **24.9 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.5 liter(s)**
- Total mash volume **18 liter(s)**

Steps

- Temp **42 C**, Time **30 min**
- Temp **62 C**, Time **20 min**
- Temp **72 C**, Time **45 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **13.5 liter(s)** of strike water to **45.7C**
- Add grains
- Keep mash **30 min** at **42C**
- Keep mash **20 min** at **62C**
- Keep mash **45 min** at **72C**
- Keep mash **10 min** at **76C**
- Sparge using **15.9 liter(s)** of **76C** water or to achieve **24.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pszeniczny	2.5 kg (55.6%)	81 %	6
Grain	Strzegom Monachijski typ II	1.5 kg (33.3%)	79 %	22
Grain	Strzegom Karmel 30	0.3 kg (6.7%)	75 %	30
Grain	Strzegom Karmel 600	0.2 kg (4.4%)	68 %	601

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lublin (Lubelski)	30 g	60 min	4 %
Boil	Tradition	30 g	10 min	5.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
WB-06	Lager	Dry	11.5 g	Safbrew