

SMASH Puławski

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **43**
- SRM ---
- Style **American IPA**

Batch size

- Expected quantity of finished beer **45 liter(s)**
- Trub loss **5 %**
- Size with trub loss **47.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **52 liter(s)**

Mash information

- Mash efficiency **90 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **30 liter(s)**
- Total mash volume **40 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------|--------------|-------|-----|
| Grain | pilzneński | 10 kg (100%) | --- % | --- |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------|--------|--------|------------|
| Boil | sybilla | 30 g | 60 min | 4.6 % |
| Boil | Magnum | 50 g | 60 min | 13.5 % |
| Aroma (end of boil) | sybilla | 30 g | 10 min | 4.6 % |
| Aroma (end of boil) | Sybilla | 15 g | 5 min | 4.6 % |
| Aroma (end of boil) | Sybilla | 15 g | 0 min | 4.6 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------|------|------|--------|------------|
| us-05 | Ale | Dry | 22 g | --- |