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(/ / : / / :)

)

(

/ /

(OMD)

(PPP)

(ME)

(P< /)

(P< /) PPP

ME OMD

(P< /)

%

(P< /)

(Abrishamizadeh, 1994)

/

(Saadatnoori, 1983)

(Abrishamizadeh, 1994)

(Foroughameri, 1997)

()

/
(Shakeri et al., 2004)

/ / / /
/
/ /

(Foroughameri, 1997; Fazaeli, 2005)

(Bagheripour et al., 2008)

)

(

%

(Tekasi et al., 1998)

%

(Seyed Momen, 2001)

%

()

(Vahmani & Naserian, 2005)

)

(

()

P		SEM				
ns	ns	/				
ns	ns	/				
ns	ns	/				
*	*	/	d	c	b	/ a
*	*	/	d	c	b	a
*	*	/	d	c	b	a
*	*	/	d	c	b	a

:SEM
 ns %
 %

() Menke & Steingass

(AOAC, 1990)

$$OMD = 14/88 + 0/8893 G + 0/448 CP + 0/0651 Ash$$

(Deriaz, 1961)

$$ME = 2/20 + 0/1357 G + 0/057 CP + 0/0029 CP^2$$

(1993) Makkar et al.

() **OMD**
 (ml/200 mg of **G**
 () **CP DM**
ME () **Ash**
 .()

(Makkar et al., 1993)

$$Y_{ij} = \mu + T_i + e_{ij}$$

GLM SAS
 T_i μ Y_{ij}
 e_{ij}

(2000) Makkar
 (Makkar, 2000)

(2000) Makkar

(1988) Menke & Steingass

(P < /)

(ME)

(OMD)

1. Folin Ciocalteu
2. Tannic acid
3. Free Gallic acid
4. Gallotannins

(P < /)

± /					()
± /					()
± /					()
±				()	
± /				()	
± /				()	
±	/			()	
± /				()	
± /	/			()	
± /				()	
± /				()	
± /	/			()	
± /	/			()	
± /	/			()	(%)

		()			()
P			(%)		
		SEM			
*	*	/	/ a	/ b	/ c
*	*	/	a	/ b	/ c
*	*	/	/ a	/ b	/ c
*	*	/	/ a	b	/ c
*	*	/	/ a	/ b	/ c
				.ns %	.*
				%	.SEM

		()		()		()
P			(%)			
		SEM				
*	*	/	/ c	/ b	/ a	/ a
*	*	/	/ d	/ c	/ b	/ a
*	*	/	/ c	/ b	/ a	/ a
*	*	/	/ c	/ b	/ a	/ a
*	*	/	/ c	/ b	/ a	/ a
				.ns %	.*	.SEM
				%		

		()		()		
P			(%)			
		SEM				
*	*	/	/ c	/ b	/ a	a
ns	*	/	b	b	a	a
				.ns %	.*	.SEM
				/		

)

(

(P < /)

(P < /)

(Min et al., 2005)

(P < /)

(Makkar, 2003)

-)

(

(Norton, 1998)

(McAllister et al., 1994)

(2006) Bagheripour

pH

(Kumar & Vaithyanathan, 1990; Kumar et al.,
.2001)

(Min et al., 2005)

(Van Soest, 1994)

(Waghorn et al., 1994)

(Sutton, 1976)

(Decandia

et al., 1998; Jansman, 1993; Kumar & Singh, 1984;
Reed, 1995)

- (Reed, 1995)

(Bagheripour et al., 2008)

(1986) Hagerman & Klucher

(Hagerman & Klucher, 1986; Bagheripour et al.,
.2008)

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